ELITE AUDIO/VIDEO COMPONENTS PRODUCT REFERENCE GUIDE 2005/2006

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True to their name, Pioneer Elite components are designed for a very select group of users — those who settle for nothing less than the best in audio and video. The state-of-the-art performance and specifications of these high-end products are the result of uncompromising standards in engineering and manufacturing, painstaking selection of parts and devices, and careful testing of each and every component. Pioneer Elite is the single brand solution for discriminating home theater enthusiasts.

The latest lineup of Elite plasma display panels (PDPs) includes units with new PureDrive[™] II technologies, which feature all-digital signal processing. These new panel driving technologies provide finer details and increased parameters for picture adjustment. The new Elite PDPs also feature the new display panel technologies, which delivers higher contrast and "blacker black" with highly efficient light emission. The media receiver for the new units comes with a card slot, which lets you view JPEG digital stills enlarged on the PDP screen. The new Elite PDPs are also compatible with TV Guide On Screen[™] for enhanced convenience.

The Elite A/V receivers feature two new units that incorporate Phase Control technologies for synchronized phase among channels — a new concept for superior multi-channel sound. Pioneer's advanced technologies allow standing wave to be effectively controlled. In addition, the new Elite A/V receivers have greater convenience, including compatibility with iPod[®] and XM Radio. The lineup also includes the world's first THX Select2-certified A/V receivers.

In this Product Reference Guide to the Pioneer Elite Series, you'll find details about these and other technologies incorporated into Elite products. We hope you will find this guide useful and thank you for your interest.

PUREVISION PLASMA TELEVISIONS AND DISPLAYS

Elite Plasma Televisions and Displays: Technological Highlights for 2005/2006

- PureDriveTM II
- ACE IV (Advanced Continuous Emission Technology IV)
- Active DRE (Dynamic Range Expander)
- PureDriveTM
- ACE II (Advanced Continuous Emission Technology II)
- DRE (Dynamic Range Expander)
- Deep Encased Cell Structure with Crystal Emissive Layer
- True Matrix Imaging with Deep Encased Cell Structure
- First Surface Pure Color Filter
- Capsutaled Color Filter
- Pure Color Filter II
- TV Guide On ScreenTM System
- Home Gallery
- Advanced PureCinema with 3-3 Pull-down
- PureCinema Automatic Format Converter
- ISF Custom Calibration Configuration (C³)
- ATSC Digital Broadcast Compatibility
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- HDMI Input
- i.LINK (IEEE 1394) Terminal for D-VHS Recorder Connection
- SR+ Terminal (A/V Receiver Control)
- New "PURE" Mode for AV Selection
- 10-bit 3D Digital Y/C Separation Circuit
- Natural Re-Size
- Digital Chroma Decoder
- Digital Noise Reduction Circuit/MPEG Noise Reduction Circuit
- Dynamic HD Converter
- Natural Enhancer
- Digital CTI
- Color Management
- Selectable Screen Sizes
- Multi-Window Display
- Closed Caption Compatibility
- Surround Modes SRS, TruBass, and FOCUS
- Subwoofer Output
- Speaker System
- Fiber-Optic Extension System

Pioneer Innovations in Panel-Driving Technologies

PureDrive[™] II — Fully-Digitalized Video Signal Processing for Even Higher Picture Quality (PRO-1130HD/PRO-930HD)

With conventional plasma display panels (PDP), input signals are converted back and forth between analog and digital before being sent to the display panels. This tends to cause noise, degrading the quality of displayed pictures. As a leading manufacturer of PDPs, Pioneer developed PureDriveTM technology, featuring all-digital video signal processing. Now, the PRO-1130HD and PRO-930HD come with its new version — PureDriveTM II.

PureDrive[™] II features new custom chipsets which ensure a wide range of picture-quality benefits, including lower noise, finer gradation, and more natural color reproduction. (See the figure at the top of the next page.)

ACE IV (PRO-1130HD/PRO-930HD)

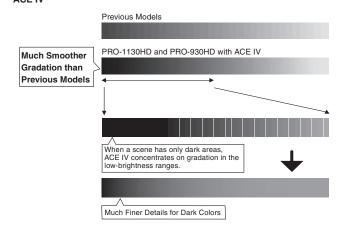
ACE IV (Advanced Continuous Emission Technology IV) newly built into the PRO-1130HD and PRO-930HD — is one of the biggest benefits of PureDrive[™] II. In addition to the benefit of ACE II (see the next page for details), this new technology delivers the following advantages:

1. Smoother Gradation

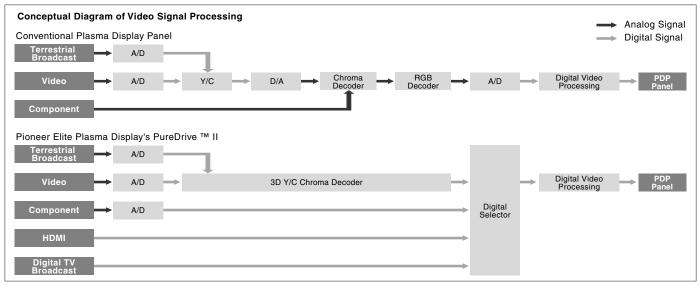
The new technology allows even smoother gradation — with more steps than the previous version — letting you reproduce even more colors.

2. Finer Details in Low Brightness Ranges*

ACE IV automatically analyzes the overall picture to optimize gradation and brightness levels. When a scene has only dark areas, such as night views and low-lit rooms, ACE IV detects this and concentrates on gradation in the low-brightness ranges, to reproduce details much finer than usual for dark colors. **ACE IV**



PureDrive™ II (PRO-1130HD/PRO-930HD)



Active DRE (PRO-1130HD/PRO-930HD)

PureDriveTM II provides yet another benefit — the Active DRE (Dynamic Range Expander). This new technology offers wider picture control options than the previous version (which only offers High, Mid, Low, and Off).

Active Dynamic Range Expander

Parameter	Function	Control Options	
Dynamic Contrast	Emphasizes the contrast between dark and bright images, so that (for example) sunlight falling through trees looks brighter and edges of human faces become more distinct.	High/Mid/Low/Off	
Black Level	Emphasizes dark areas for greater distinction from bright areas.	On/Off	
Automatic Contrast Limiter	Automatically compensates to create the optimum contrast characteristics.	On/Off	
Gamma Control	Controls gradation characteristics.	1/2/3	

PureDrive[™] — Fully-Digitalized Video Signal Processing (PRO-1010HD/PRO-810HD)

PureDriveTM features original custom chipsets — four in the media receiver and two in the panels themselves — that always keep video signals digital. Each block in the image processing circuit is directly connected, using the shortest signal path to minimize image-degrading noise and signal deterioration. This helps retain superior signal quality from input to output.

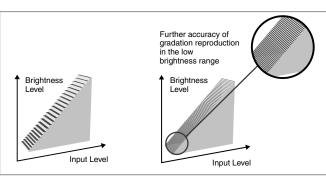
ACE II (PRO-1010HD/PRO-810HD)

ACE II (Advanced Continuous Emission Technology II) offers superior gradation accuracy in low brightness ranges, reproducing fine details of dark images. In addition, the ACE II also eliminates false contours (sharp edges where there should be smooth gradation) — a Pioneer-exclusive benefit, which is delivered by the new ACE IV as well.

More Grav Shades in the Low Brightness Range (ACE II)







Noiseless Pictures without False Contours (ACE IV and ACE II)





False contours lower the nicture quality

DRE (PRO-1010HD/PRO-810HD)

With run-of-the-mill plasma display panels, highly contrasted colors - such as a white shirt and black hair - tend to affect each other and accurate reproduction of both colors is difficult. When the hair is a true black, the shirt will look dull off-white. Or the shirt will appear as pure white when the hair is not a true black. With enormous processing power, the DRE (Dynamic Range Expander) makes fuller use of video signal spectrum capacity to expand dynamic range. The results are blacker blacks, whiter whites, and outstanding overall contrast. With the Elite PDPs, three different levels — high, medium, and low settings - are available for getting the best results out of various pictures.





Display Panel Technologies

PDP Technology

The PDP screen is actually two panels of glass with nearly a million pixels sandwiched between them. The pixels consist of tiny cells that hold gas, with electrodes on the top and bottom. Electrical discharges cause the gas to emit ultraviolet light that excites red, green and blue phosphors, which in turn radiate visible light to produce bold, color images.

Black Stripe Coating for Vivid Images

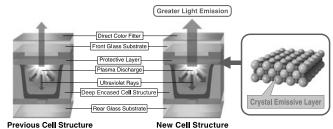
The additional black stripes help reduce the amount of external light reflected off the screen surface, which greatly improves contrast. Viewers can enjoy sharp, vivid pictures, even under bright ambient lighting, with no washed-out colors or poor contrast.

Deep Encased Cell Structure with Crystal Emissive Layer (PRO-1130HD/PRO-930HD)

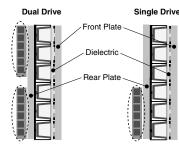
The PRO-1130HD and PRO-930HD create brighter pictures and "blacker black" while consuming less power. This is thanks to new display panel technologies, which work in synergy with the new video signal processing technology of PureDrive[™] II. The two Elite PDPs feature Deep Encased Cell Structure with a new Crystal Emissive Layer. The Crystal Emissive Layer is a layer of crystal with a well-aligned structure, which is applied to the surface of the front glass substrate. This ensures higher efficiency for light emission — an improvement of 22 percent over models with irregularly-aligned crystal structure — for brighter pictures with lower voltage.

These new panel technologies also feature quick and efficient discharge of light, stopping unnecessary light emission. This allows higher contrast and "blacker black", with a black brightness level only one-third that of previous models. This feature also has lower power consumption.

Deep Encased Cell Structure with Crystal Emissive Layer



Energy-Saving Technologies for the "Single Drive" Display



4

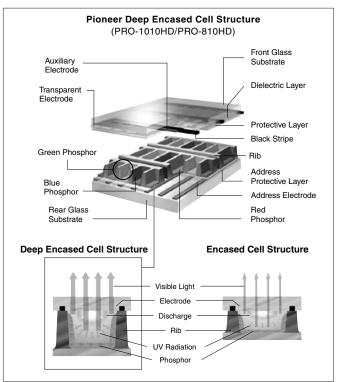
These energy-saving display panel technologies allow the use of a "single panel drive" while conventional panels use "dual drive". In addition to lower power consumption, the new Elite PDPs also conserve material - another environmentally-friendly solution from Pioneer.

True Matrix Imaging with Deep Encased Cell Structure (PRO-1010HD/PRO-810HD)

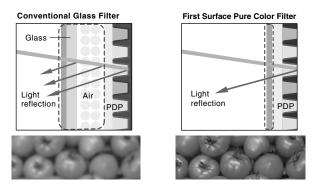
The Deep Encased Cell Structure features a wide phosphor area and a reduced leakage of light to adjacent cells, which delivers a bright, clear image. The structure also increases light emission efficiency for superior brightness of the pictures.

Additionally, the green phosphor element features superior persistence characteristics, which help deliver the industry's highest level of brightness: 1,100 cd/m² for the PRO-810HD, and 1,000 cd/m² for the PRO-1010HD. The units also boast superior white reproduction for more subtle nuances, and improved clarity for more natural, precise rendering of characters and images.

The PRO-1410HD, a 61-inch PDP from Pioneer, also features a special cell structure — New Encased Cell Structure.



First Surface Pure Color Filter (PRO-1130HD/PRO-930HD)



The PRO-1130HD and PRO-930HD retain superior contrast even in bright environments thanks to the First Surface Pure Color Filter, which features a layer of film affixed to the glass panel covering the plasma cells. Unlike conventional glass filters, First Surface Pure Color Filters eliminate the space between the film and the glass which allows ambient light reflection to be reduced. This improves contrast ratio in bright environments by 20%. Additionally, the filter balances the colors of the passing light, producing color values that are closer to the true NTSC color standard than conventional TVs or monitors can display.

Capsulated Color Filter (PRO-1410HD) Pure Color Filter II (PRO-1010HD/ PRO-810HD)

The Elite PDPs come with special filters that greatly decrease external light reflectivity for higher contrast, providing an extremely clear image even in bright environments. The filters also optimize the primary colors (red, green, and blue) by filtering out undesired colors, to improve the quality of image reproduction.

Features for Higher-Level Entertainment

TV Guide On Screen[™] System (PRO-1130HD/PRO-930HD)

The PRO-1130HD and PRO-930HD are compatible with the TV Guide On Screen[™] a free, interactive on-screen TV program guide

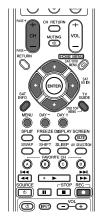


that you can easily browse with the remote control. It shows you a list of programs broadcast now, or in the coming week, by channel or category. The system provides a wide range of convenient features, including:

(1) User-Friendly GUI

The system guides you through programs with user-friendly GUI. Easy-to-understand icons and a broad array of displayed information make it simple to use.

Remote Control Keys for TV Guide On Screen™



Screen Components for TV Guide On Screen™



- 1. TV GUIDE logo
- 2. Clock Shows the current time.
- 3. Time slot Time is divided into 30-minute slots and arranged horizontally
- 4. Time tub Indicates the currently selected time slot.
- 5. Current service label Indicates the currently selected service.
- 6. Service bar Gives access to various services of the program guide.
- 7. Title Shows the TV program title.
- 8. Info bar Various icons for getting information or the status of an item.
- 9. Video window Lets you continue watching the current program while using the program guide.
- 10. Panel ads and panel menu entry Space for show/product advertising and the panel menu.
- 11. Channel logo
- 12. Info box Shows brief information about a selected program.
- 13. Channel ads Space for program advertising.

(2) Easy Recording Operations

overlaps with another you set

Just choose a program from the list and press the REC button on the remote control — the program will automatically be recorded to a selected recorder. You can set recording frequency to, for example, "Once" or "Weekly" (every week at the same time). You can also set whether to start/end recording on time or up to 120 minutes before/after On-Screen Alert (when scheduling

overlaps for two programs) the scheduled time. TV Guide ECORDING CONFLICT! On ScreenTM alerts you when the ording "Good time for a scheduled recording

Morning America" will override the auto-tune nder for "A Night record anyway don't record this show

> Use the cursor to select "record anyway" or "don't record this show"

On-Screen Alert (when a scheduled recording is about to start)



To cancel the recording and stay on the current channel, select "don't change; cancel recording"

(3) Program Reminders

If you set a program reminder, the PDP alerts you when the program is about to be aired on another channel. Reminders can be set for individual episodes or every time a program airs. The "auto tune" function automatically changes the current channel to show you the program. This function also provides an on-screen alert when the chosen program overlaps another that you previously selected for auto tuning or scheduled recording.

Program Reminder Alert



(4) Program Search Functions

Program search is possible by category, such as Movies, Sports, or Children, or by keyword(s). Alphabetical search is also available, showing you all the programs whose titles start with a certain letter. When search results are displayed, scheduling a recording is as easy as pressing the REC button on the remote control. These functions are also available for HDTV programs. **Category Search Screen**



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Home Gallery — Memory Card Slot for Still Picture Display (PRO-1130HD/PRO-930HD)

The media receiver for the PRO-1130HD and PRO-930HD includes a memory card



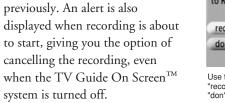
slot, which supports Smart Media, Compact Flash, SD, MMC (MultiMedia Card), Memory Stick, Micro Drive, xD-Picture Card[™], and Flash Memory. This allows you to view JPEG digital still photos (including those in DCF and 4:2:2 formats) stored in the memory card enlarged on the PDP screen, with high resolution of up to 2,400 x 1,800 pixels. You can also view photos as a slide show or in thumbnails. The units support up to 2,000 files per folder, with a max. 500 folders per memory card (256 folders for the slide show function). Supported file systems include FAT12, FAT16, FAT32, and VFAT.

Advanced PureCinema with 3-3 Pull-down (PRO-1130HD/PRO-930HD/PRO-1010HD/ PRO-810HD)

The Pioneer Elite PDPs feature Advanced PureCinema with 3-3 Pull-down. From 24fps film-based sources, this function creates three full copies of each frame for 72 progressive frames per second, which perfectly synchronizes the frame arrangement with original films, and eliminates the need for interpolations. As a result, film-based materials provide the natural representation unique to real films.

Film	A		В		С		D					
PureCinema	А	A			B	В	С	C		p	D	D
Advanced PureCinema	A	A	A	В	В	В	C	C	C	D	D	D

Frame arrangement perfectly synchronized with the original filn



PureCinema Automatic Format Converter (PRO-1410HD)

Film (24 frames per second) doesn't always translate correctly to television (30 frames), so watching a movie at home can be frustrating for videophiles. Not true with the PRO-1410HD. The Pioneer-exclusive Automatic Format Converter analyzes a movie's signal and boosts picture quality eight times.

PureCinema detects an NTSC 3/2 film-based source and instantly recreates each individual still frame to create a smooth, more natural presentation.

n	Α	В	C	D
reCinema	AA	BB	C C	DD

Pu

ISF Custom Calibration Configuration (C³)

ISF C³ is an Elite-exclusive feature that enables the PDP to be optimized for the specific room where it is placed. As an optional service available through Elite dealers, a speciallytrained ISF professional can inspect the conditions of the viewing room and calibrate contrast, tint, sharpness, color levels, and other parameters to best fit the environment. Room layout and size, ambient light (for both day and night viewing), and other conditions that affect picture quality are measured and factored in. The result is unparalleled picture accuracy.

Once the ISF C³ calibrations are made, ISF becomes an additional preset mode for AV Selection, allowing you to revert back to the TV's original settings or make fine tuning adjustments. You can toggle the ISF mode back and forth whenever you want.

The PRO-1010HD, and PRO-810HD come with the second generation of this technology, which permits calibration via RS-232C interface.

The PRO-1130HD and PRO-930HD also allow more detailed 8-step Gamma control. These two PDPs make ISF C³ information more legible, with 4-line 24-character display in both capital and small letters.

ATSC Digital Broadcast Compatibility (PRO-1130HD/PRO-930HD)

The PRO-1130HD and PRO-930HD come with a built-in ATSC (Advanced Television Systems Committee) compatible tuner. In addition to regular TV (NTSC), the units show three types of ATSC digital broadcasts - Standard-Definition, Enhanced-Definition, and High-Definition — with a Pioneer technology that up-converts video signals for the highest-possible picture quality.

The units permit connection to D-VHS recorders via i.LINK (IEEE 1394) terminal for recording DTV programs while retaining the original picture quality.

Resolution at a Glance								
BEST HD: HIGH- DEFINITION	720p (progressive) or 1080i (interlaced) minimum <i>Digital Transmission</i>	About 5x better than conventional TV						
GOOD ED: Enhanced- Definition TV	480p (progressive) or 480i (interlaced) Digital Transmission	About 2x better than conventional TV						
O.K. SD: Standard TV Conventional TV	480i (interlaced) Analog Transmission	Standard for past 60 years						

DCR (Digital Cable Ready) Tuner (PRO-1130HD/PRO-930HD)

The media receiver for PRO-1130HD and DCR PRO-930HD features a built-in unidirectional digital cable tuner, which provides easy "plug and play" of basic cable channels without an external cable box.

*Requires use of a CableCARD[™].

HDMI[™] Input

HDMI (High Definition Multimedia



Interface) is an uncompressed, all-digital interface for both audio and video signals — the first industrysupported interface of its kind. With a single-cable connection, it allows transmission of a huge amount of high-quality data such as uncompressed HDTV signals — to be input at speeds up to 5GBps.

Another benefit of HDMI is its simplicity. It provides a straight digital path from point A to point B without affecting the signal in any way. Additionally, it doesn't perform unnecessary compression and re-compression steps, so the signal remains in a pure, digital state. This lossless process maintains a higher level of image quality than other connection systems.

HDMI provides plug and play capability and accommodates all of the current ATSC digital television formats. It also supports up to eight channels of audio. And despite its huge bandwidth power and ability to accommodate both audio and video, the plug itself is much smaller than a DVI plug.

The PRO-1130HD, PRO-930HD, PRO-1010HD, and PRO-810HD, moreover, come with two HDMI inputs. You can keep the PDP connected with both a DVD player and a STB, for example.

i.LINK (IEEE1394) Terminals for D-VHS Recorder Connection (PRO-1130HD/PRO-930HD)

The media receiver of the PRO-1130HD and PRO-930HD comes with two i.LINK (IEEE1394) Ь terminals that allow connection with a D-VHS recorder*. i.LINK is a digital serial interface that can handle digital video and audio signals. This means you can record digital TV programs to the D-VHS recorder** retaining the original picture quality.

*D-VHS recorder only. Other devices cannot be connected. **Only digital TV programs can be recorded

i.LINK and i are the trademarks of Sony Corporation.

SR+ Terminal for A/V Receiver Control (PRO-1130HD/PRO-930HD/ PRO-1010HD/PRO-810HD)

Connect the Elite PDP to a Pioneer A/V receiver* via SR+ terminal, and the display automatically selects the receiver's signal source. This permits on-screen control of the receiver's sound level, surround mode, and other functions.

*Pioneer A/V receivers with a SR+ terminal only



New "PURE" Mode for AV Selection (PRO-1130HD/PRO-930HD)

The PRO-1130HD and PRO-930HD feature the new "PURE" mode for AV Selection. This mode delivers pictures without any enhancement (Gamma, Color, Tint, Sharpness, etc), minimizing the artifacts of extra video processing.

10-bit 3D Digital Y/C Separation Circuit (PRO-1130HD/PRO-930HD/PRO-1010HD/ PRO-810HD)

NTSC (analog) video images consist of two signals, luminance (Y) signals for brightness information and chrominance (C) signals which contain color information. When analog video is played back, the Y and C signals must be kept separate or they will interfere with each other, which results in annoying video noise such as "cross color", or rainbow patterns in picture areas with fine detail, and "dot crawl" — distracting, visible dots moving along the edges of images. To combat these, Pioneer has developed the 10-bit 3D Digital Y/C Separation Circuit exclusively for use in plasma display panels. Powered by PureDrive, the circuit effectively keeps Y and C signals separate, reducing the annoying noise and improving the rendering of contoured objects and integrity of images.

Natural Re-Size (PRO-1130HD/PRO-930HD/ PRO-1010HD/PRO-810HD)

Many plasma display panels allow the user to select a screen mode best suited to the material being viewed - for example, when watching a regular 4:3 TV show on a 16:9 widescreen monitor, the image can be stretched to fill the entire screen. But with conventional plasma displays, that stretching process causes problems such as blocky, fuzzy, or over-stretched images. The Pioneer Elite plasma display panels have an exclusive Natural Re-Size function that re-shapes the picture and allows it to maintain a natural appearance without adding the artifacts that deteriorate picture quality.

Digital Chroma Decoder (PRO-1130HD/PRO-930HD/PRO-1010HD)

Color noise is another form of analog video interference noticeable speckled imperfections seen within solid colors on your screen. The new Elite plasma display panels feature a 10bit Digital Chroma Decoder to reduce noise and provide better frequency response, for pure, clean colors.

Digital Noise Reduction Circuit and MPEG Noise Reduction Circuit

Special high-luminance cyclic Digital Noise Reduction circuitry reduces random digital noise, including color noise and inconsistency (especially seen in dark image areas) that arise in the signal reproduction process of terrestrial broadcasts, DVDs, and others. The PRO-1130HD, PRO-930HD, PRO-1010HD, and PRO-810HD also come equipped with MPEG Digital Noise Reduction, which cuts "mosquito noise" caused by MPEG video compression used in DVD.

Digital Noise Reduction



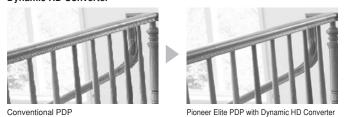




Dynamic HD Converter for Sharper Images (PRO-1130HD/PRO-930HD/PRO-1010HD/ PRO-810HD)

Interlaced signals of terrestrial broadcasts and DVD and PC video sources are up-converted into progressive signals for optimal viewing on the PRO-1130HD/PRO-1010HD (1,280 x 768-dot high-resolution) and the PRO-930HD/ PRO-810HD (1,024 x 768-dot high-resolution). With the number of on-screen detection points significantly increased to 84, HD converter offers sharper, more natural images free of jagged edges and distortion seen on displays with conventional converters.

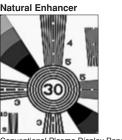
Dynamic HD Converter

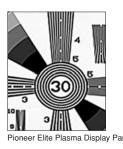


Natural Enhancer (PRO-1130HD/ PRO-930HD/PRO-1010HD/PRO-810HD)

Conventional contour image correction technologies effectively sharpen contours, but also affect picture qualities, causing annoying noises such as jagged edges. The Natural Enhancer takes contour image correction to the next level. On any source, analog or digital, the Natural Enhancer cleans up the jagged edges and wavy "moiré" patterns, and enhances the contrast at the edges of images to reproduce clean, detailed pictures.







Digital CTI (PRO-1130HD/PRO-930HD/ PRO-1010HD/PRO-810HD)

Conventional plasma display panels have difficulty accurately rendering a colored image laid over another — a man in a dark blue jacket standing in front of a red wall, for example. The usual result is a dithered pattern and a muddy combination of colors where the two images intersect. With the Pioneer Elite PDPs, however, Digital Color Transient Improvement (CTI) smooths out edges of colored images so that they are more distinct, offering true color fidelity and color resolution.

Color Management

The Color Management function allows individual adjustment of six basic colors. Red, yellow, green, cyan, blue, and magenta can be fine-tuned according to your preference (see table below for details), without losing the natural color balance of the whole picture. Turn the golf course a more vivid shade of green, or make the sea a deeper blue, for example.

Parameter	Adjustable Ranges					
R (Red)	Closer to Magenta	Closer to Yellow				
Y (Yellow)	Closer to Red	\longleftrightarrow	Closer to Green			
G (Green)	Closer to Yellow	←→	Closer to Cyan			
C (Cyan)	Closer to Green	←→	Closer to Blue			
B (Blue)	Closer to Cyan	←→	Closer to Magenta			
M (Magenta)	Closer to Blue	$\leftarrow \rightarrow$	Closer to Red			

Selectable Screen Sizes (PRO-1130HD/ PRO-930HD/PRO-1010HD/PRO-810HD)

Whether you're watching conventional television, wide-screen DVDs, or widescreen movies, the Pioneer Elite PDPs have five selectable screen modes that can handle any format. You can watch conventional broadcasts in traditional 4:3 mode, or fill the entire screen with ZOOM or WIDE mode. When viewing DVDs and Digital TV, use the FULL Mode to perfectly match these widescreen (16:9) images to your screen. When watching widescreen movies, you can use CINEMA mode.

The Elite PDPs also come with a PC mode, which provides three selectable screen sizes for XGA signals. The PRO-1130HD and PRO-930HD come with a PC mode for non-XGA signals, too.

Multi-Window Display

Multi-Window Display of the Pioneer Elite PDPs takes dualmaterial viewing to new levels, letting you display a combination of NTSC, HDTV, and PC screens either as twin images (50/50 split screen) or as picture-in-picture, which allows you to position the subscreen upper left/right or lower left/right. The PRO-1010HD and PRO-810HD also permit "picture-out-picture" display, which shows the small subscreen on the right side of the main screen. Watch pro football on TV, for example, right alongside fantasy football on your PC.

The PRO-1130HD and PRO-930HD can even display a freeze frame of a broadcast. Just press the FREEZE button at the scene you want, and the screen is split to display a still image of the scene on the right, while continuing the broadcast on the left.

Multi-Window Display







Closed Caption Compatibility (PRO-1130HD/PRO-930HD)

The Closed Caption works with television programs and home videos displaying the **CC** logo for closed captions. Closed captions allow the hearing-impaired to enjoy TV and videos on the PDPs through the use of subtitles displayed on screen.

The PRO-1130HD and PRO-930HD also offer the "On If Mute" function. Choose "On If Mute" on the closed captions setup screen, and subtitles will automatically appear on the screen whenever the sound is muted. You can conveniently follow a program's story, for example, while talking on the phone.

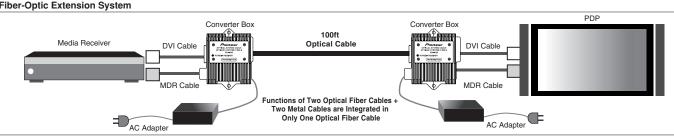
The units deliver closed captioning from digital TV programs, too.

Three Surround Modes — SRS, TruBass, and FOCUS (PRO-1130HD/PRO-930HD)

To expand your sound options, the PRO-1130HD and

PRO-930HD feature three surround modes: SRS, for dynamic 3-D surround throughout an expansive listening area; FOCUS shifts the sound field TruBass for surprisingly big, natural SRS gives dynamic 3-D surround sound bass sound; and FOCUS, which enhances the surround effect and shifts the sound field upward. The units also permit simultaneous activation of TruBass and SRS. * SRS, TruBass and FOCUS are trademarks of SRS Labs. INC.

Fiber-Optic Extension System



Subwoofer Output (PRO-1130HD/ PRO-930HD)

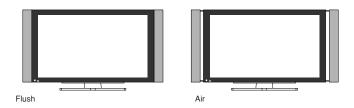
The media receiver for the PRO-1130HD and PRO-930HD comes with a subwoofer output terminal. This lets you enjoy deeper bass with easy connection.

Speaker Systems (Optional)

The optional speaker systems - PDP-S36 for 50" panels and PDP-S35 for 43" panels — match the slim designs of the display panels, while still delivering superior sound. The speakers can be installed in two different ways:

Flush: The speakers are fixed flat against the sides of the display panel.

Air: The speakers are mounted slightly separate from the sides of the display panel, delivering a wider sound field.



Fiber-Optic Extension System (Optional)

Do you want to install your Elite Plasma Display Panel at a distance from its receiver? The PDA-H05, Pioneer's fiber-optic extension system, makes it easier than ever - with high durability, improved cable strength, and stable signal transfer.

In conventional extension systems, converter boxes are connected by two fiber optic cables and two metal cables. Our extension system cuts through that troublesome wirework by integrating the functions of all four cables in just one 100ft fiber-optic cable (see illustration below). The cable combines a light, easy-to-handle weight with superior resistance to damage from bending. This is enabled by use of plastic optic fiber that boasts far better flexibility than conventional glass fiber.

In addition, plastic optic fiber helps create fantastic picture quality, because it is completely resistant to electric signal interference from other devices.

- The package includes:
- 100ft Optical Cable
- MDR Cable (29-1/2 Inches) x 2
- DVI Cable (29-1/2 Inches) x 2
- AC Adapter x 2 • Converter Box x 2

RS-232C Command List

AFT AFT	mand	Function	Note	Com	mand	Function
AFT	S00	Enable AFT	1010	SIP	S00	Assist Switching Inpu
	S01	Disable AFT				(Back to Default)
AMT	S00	AUDIO Mute OFF		SIP	S01	Assist Switching Inpu
AMT	S01	AUDIO Mute ON				(Composite)
APW	S00	Turn OFF WB Correction	WB Function in	SIP	S02	Assist Switching Inpu
		(Based on the APL of Input Video Signals)	Conjunction with APL			(S-Video)
APW	S01	Turn ON WB Correction	WB Function in	SIP	S03	Assist Switching Inpu
107		(Based on the APL of Input Video Signals)	Conjunction with APL	010	0.04	(Component/D-Term
AST	0.01	Auto Setup		SIP	S04	Assist Switching Inpu
AVS	S01	AV Selection: STANDARD		SIP	S05	Assist Switching Input
AVS AVS	S02 S03	AV Selection: DYNAMIC AV Selection: MOVIE		SIP	S06	Assist Switching Inpu
AVS	S03	AV Selection: GAME		SZM	S00	(Teletext/Closed Caption Screen Size: Dot by Dot/F
AVS	S04	AV Selection: PURE		SZM	S00	Screen Size: 4:3
AVS	S00	AV Selection: USER		SZM	S02	Screen Size: FULL/FU
AVS	S08	AV Selection: ISF-DAY		SZM	S03	Screen Size: ZOOM
AVS	S09	AV Selection: ISF-NIGHT		SZM	S04	Screen Size: CINEMA
BAL	***	Balance *** (Audio)	Audio Control	SZM	S05	Screen Size: WIDE
BAS	***	Bass *** (Audio)	Audio Control	TNT		Adjust Tint (ISF)
BHI	***	User WB-B High Light ***	User WB Adjustment	UP0		Increase Adjustment
BLW	***	User WB-B Low Light ***	User WB Adjustment			Value by 10
BRT	***	User WB Main Brightness ***	User WB Adjustment	UP1		Increase Adjustment
BSL		Adjust Side Mask B				Value by 1
CGB		Color Management: Blue		UP2		Increase Adjustment
CGC		Color Management: Cyan				Value by 2
CGG		Color Management: Green		UP3		Increase Adjustment
CGM		Color Management: Magenta				Value by 3
CGR	<u> </u>	Color Management: Red		UP4		Increase Adjustment
CGY	-	Color Management: Yellow				Value by 4
CHN	FWD/REV	Switch Preset Channel	Available Only When	UP5		Increase Adjustment
		A 10 - 111	Combined with CHN			Value by 5
CNT		Adjust User WB Main Contrast	User WB Adjustment	UP6		Increase Adjustment
COL		Color Adjustment				Value by 6
DW0		Reduce Adjustment Value by 10		UP7		Increase Adjustment
DW1		Reduce Adjustment Value by 1				Value by 7
DW2		Reduce Adjustment Value by 2		UP8		Increase Adjustment
DW3		Reduce Adjustment Value by 3		UP9		Value by 8
DW4		Reduce Adjustment Value by 4		UP9		Increase Adjustment
DW5 DW6		Reduce Adjustment Value by 5		UPF		Value by 9
DW6 DW7		Reduce Adjustment Value by 6 Reduce Adjustment Value by 7		UPF		Select the Maximum Adjustment Value
DW7 DW8		Reduce Adjustment Value by 8		VOL	***	Vol ***
DW8 DW9		Reduce Adjustment Value by 8		VOL	S00	VIDEO Mute OFF
DWF		Select the Minimum Adjustment Value		VMT	S00	VIDEO Mute ON
ESV	S00	Energy Save Mode: Standard	Power Control	VIVII	301	VIDEO MILLE ON
ESV	S01	Energy Save Mode: Save1	Power Control			
FSV	S02	Energy Save Mode: Save2	Power Control			
ESV	S02	Energy Save Mode: Save2 Preset ch (1 step forward)	Power Control			
ESV FWD	S02	Energy Save Mode: Save2 Preset ch (1 step forward)	Available Only When			
FWD	S02	Preset ch (1 step forward)				
FWD GDI		Preset ch (1 step forward) Get Command for Status	Available Only When Combined with CHN			
FWD GDI GHI	***	Preset ch (1 step forward) Get Command for Status User WB-G High Light ***	Available Only When	R R	8-232	C Comma
FWD GDI		Preset ch (1 step forward) Get Command for Status User WB-G High Light *** Input 1 (Main Screen)	Available Only When Combined with CHN			
FWD GDI GHI INP	*** S01	Preset ch (1 step forward) Get Command for Status User WB-G High Light ***	Available Only When Combined with CHN	(P	RO-1	010HD/PR
FWD GDI GHI INP INP	*** S01 S02	Preset ch (1 step forward) Get Command for Status User WB-G High Light *** Input 1 (Main Screen) Input 2 (Main Screen)	Available Only When Combined with CHN	(P		010HD/PR
FWD GDI GHI INP INP INP	*** S01 S02 S03	Preset ch (1 step forward) Get Command for Status User WB-G High Light *** Input 1 (Main Screen) Input 2 (Main Screen) Input 3 (Main Screen)	Available Only When Combined with CHN	(P Com PON	RO-1	010HD/PR Function Power ON
FWD GDI GHI INP INP INP	*** S01 S02 S03 S04	Preset ch (1 step forward) Get Command for Status User WB-G High Light *** Input 1 (Main Screen) Input 2 (Main Screen) Input 4 (Main Screen)	Available Only When Combined with CHN	(P) Com PON POF	RO-1	010HD/PR Function Power ON Power Off
FWD GDI GHI INP INP INP INP	*** S01 S02 S03 S04	Preset ch (1 step forward) Get Command for Status User WB-G High Light *** Input 1 (Main Screen) Input 2 (Main Screen) Input 4 (Main Screen) Input 5 (Main Screen)	Available Only When Combined with CHN	(P) Com PON POF INP	RO-1	Power ON Power OM Power Off Input 1
FWD GDI GHI INP INP INP INP	*** S01 S02 S03 S04	Preset ch (1 step forward) Get Command for Status User WB-G High Light *** Input 1 (Main Screen) Input 2 (Main Screen) Input 3 (Main Screen) Input 4 (Main Screen) Input 5 (Main Screen) Input Antenna A *** ch	Available Only When Combined with CHN	(P PON POF INP INP	RO-1 mand S01 S02	Function Power ON Power Off Input 1 Input 2
FWD GDI GHI INP INP INP INP	*** S01 S02 S03 S04	Preset ch (1 step forward) Get Command for Status User WB-G High Light *** Input 1 (Main Screen) Input 2 (Main Screen) Input 3 (Main Screen) Input 5 (Main Screen) Input 5 (Main Screen) Input Athenna A *** ch (Analog/Digital Terrestrial	Available Only When Combined with CHN	(P) PON POF INP INP	RO-1 mand S01 S02 S03	Power ON Power ON Power Off Input 1 Input 2 Input 3
FWD GDI GHI INP INP INP INP INA	*** S01 S02 S03 S04 S05 ***	Preset ch (1 step forward) Get Command for Status User WB-G High Light *** Input 1 (Main Screen) Input 2 (Main Screen) Input 4 (Main Screen) Input 5 (Main	Available Only When Combined with CHN	(P) PON POF INP INP INP	RO-1	Power ON Power ON Power Off Input 1 Input 2 Input 3 Input 4
FWD GDI GHI INP INP INP INP INA	*** S01 S02 S03 S04 S05 ***	Preset ch (1 step forward) Get Command for Status User WB-G High Light **** Input 1 (Main Screen) Input 2 (Main Screen) Input 4 (Main Screen) Input 5 (Main Screen) Input 5 (Main Screen) Input A (Main Screen) Input Antenna A *** ch (Analog/Digital Terrestrial Broadcast) Input Antenna B *** ch (Analog Terrestrial Broadcast)	Available Only When Combined with CHN	(P) Com POR INP INP INP INP INP INP	RO-1 mand S01 S02 S03 S04 S05	OIOHD/PR Function Power ON Power Off Input 1 Input 2 Input 3 Input 4 Input 5
FWD GDI GHI INP INP INP INA INA	*** S01 S02 S03 S04 S05 ***	Preset ch (1 step forward) Get Command for Status User WB-G High Light *** Input 1 (Main Screen) Input 2 (Main Screen) Input 3 (Main Screen) Input 5 (Main Screen) Input 5 (Main Screen) Input 5 (Main Screen) Input 5 (Main Screen) Input Antenna A *** ch (Analog/Digital Terrestrial Broadcast) Input Antenna B *** ch (Analog Terrestrial Broadcast) Input LINK	Available Only When Combined with CHN	(P PON POF INP INP INP INP VOL	RO-1 mand S01 S02 S03 S04 S05 ***	OIOHD/PR Function Power ON Power Off Input 1 Input 2 Input 3 Input 4 Input 5 Volume ***
FWD GDI GHI INP INP INP INA INA INB INB	*** S01 S02 S03 S04 S05 *** ***	Preset ch (1 step forward) Get Command for Status User WB-G High Light **** Input 1 (Main Screen) Input 2 (Main Screen) Input 4 (Main Screen) Input 5 (Main Screen) Input 5 (Main Screen) Input A (Main Screen) Input Antenna A *** ch (Analog/Digital Terrestrial Broadcast) Input Antenna B *** ch (Analog Terrestrial Broadcast)	Available Only When Combined with CHN	(P PON POF INP INP INP INP VOL AMT	RO-1	OIOHD/PR Function Power ON Power Off Input 1 Input 2 Input 3 Input 4 Input 5 Volume*** Mute Off
FWD GDI GHI INP INP INP INA INA	*** S01 S02 S03 S04 S05 ***	Preset ch (1 step forward) Get Command for Status User WB-G High Light *** Input 1 (Main Screen) Input 2 (Main Screen) Input 3 (Main Screen) Input 4 (Main Screen) Input 4 (Main Screen) Input Antenna A *** ch (Analog/Digital Terrestrial Broadcast) Input Antenna B *** ch (Analog Terrestrial Broadcast) Input LINK Single-Window Display Multi-Window: 2-Screen	Available Only When Combined with CHN	(P) PON POF INP INP INP INP VOL AMT	RO-1 mand S01 S02 S03 S04 S05 **** S00 S01	OIOHD/PR Function Power ON Power Off Input 1 Input 2 Input 3 Input 4 Input 5 Volume *** Mute Off Mute On
FWD GDI GHI INP INP INP INP INA INA INA INB	*** S01 S02 S03 S04 *** *** *** S00 S01	Preset ch (1 step forward) Get Command for Status User WB-G High Light *** Input 1 (Main Screen) Input 2 (Main Screen) Input 4 (Main Screen) Input 5 (Main Screen) Input 5 (Main Screen) Input 4 (Main Screen) Input Antenna A *** ch (Analog/Digital Terrestrial Broadcast) Input Antenna B *** ch (Analog Terrestrial Broadcast) Input i.LINK Single-Window Display Multi-Window: 2-Screen (Main Screen Size: Normal)	Available Only When Combined with CHN	(P) PON POF INP INP INP INP INP VOL AMT AMT SMZ	RO-1 mand S01 S02 S03 S04 S05 *** S00 S01 S00	Power ON Power ON Power Off Input 1 Input 2 Input 3 Input 4 Input 5 Volume *** Mute Off Mute On Screen Size: DOT BYN
FWD GDI GHI INP INP INP INA INA INB INB	*** S01 S02 S03 S04 S05 *** ***	Preset ch (1 step forward) Get Command for Status User WB-G High Light *** Input 1 (Main Screen) Input 2 (Main Screen) Input 3 (Main Screen) Input 5 (Main Screen) Input 5 (Main Screen) Input 5 (Main Screen) Input 5 (Main Screen) Input 4 Antenna A *** ch (Analog/Digital Terrestrial Broadcast) Input Antenna B *** ch (Analog Terrestrial Broadcast) Input i.LINK Single-Window Display Multi-Window Display Multi-Window Display Multi-Window Display Multi-Window Display Multi-Window Display	Available Only When Combined with CHN	(P) PON POF INP INP INP INP VOL AMT AMT SMZ SMZ	RO-1 mand S01 S02 S03 S03 S03 S05 **** S00 S01 S00 S01	OIOHD/PR Function Power ON Power Off Input 1 Input 2 Input 3 Input 4 Input 5 Volume *** Mute Off Mute On Screen Size: DOT BYI Screen Size: 4:3
FWD GDI GHI INP INP INP INP INP INA INB INB MST MST	*** S01 S02 S03 S04 S05 *** *** *** S00 S01 S02	Preset ch (1 step forward) Get Command for Status User WB-G High Light *** Input 1 (Main Screen) Input 2 (Main Screen) Input 3 (Main Screen) Input 4 (Main Screen) Input 5 (Main Screen) Input 5 (Main Screen) Input 5 (Main Screen) Input Antenna A *** ch (Analog/Digital Terrestrial Broadcast) Input Antenna B *** ch (Analog Terrestrial Broadcast) Input LINK Single-Window Display Multi-Window: 2-Screen (Main Screen Size: Normal) Picture-in-Picture (Lower Right)	Available Only When Combined with CHN	(P) POF INP INP INP INP VOL AMT AMT SMZ SMZ	RO-1 mand S01 S02 S03 S03 S04 S05 **** S00 S01 S00 S01 S02	OIOHD/PR Function Power ON Power Off Input 1 Input 2 Input 3 Input 4 Input 5 Volume*** Mute Off Mute On Screen Size: DOT BYI Screen Size: FULL
FWD GDI GHI INP INP INP INP INA INA INA INB	*** S01 S02 S03 S04 *** *** *** S00 S01	Preset ch (1 step forward) Get Command for Status User WB-G High Light **** Input 1 (Main Screen) Input 2 (Main Screen) Input 3 (Main Screen) Input 4 (Main Screen) Input 4 (Main Screen) Input 4 (Main Screen) Input Antenna A *** ch (Analog/Digital Terrestrial Broadcast) Input Antenna B *** ch (Analog Terrestrial Broadcast) Input J.LINK Single-Window Display Multi-Window: 2-Screen (Main Screen Size: Normal) Picture-in-Picture (Lower Right) Picture-in-Picture	Available Only When Combined with CHN	(P) PON POF INP INP INP INP VOL AMT AMT SMZ SMZ SMZ SMZ	RO-1 mand S01 S02 S03 S04 S05 **** S00 S01 S00 S01 S00 S01 S02 S03	OIOHD/PR Function Power ON Power Off Input 1 Input 2 Input 3 Input 4 Input 5 Volume *** Mute Off Mute On Screen Size: DOT BY Screen Size: 4:3 Screen Size: ZOO
FWD GDI GHI INP INP INP INP INP INP INP INA INB MST MST	*** S01 S02 S03 S04 S05 *** *** *** S00 S01 S02 S03	Preset ch (1 step forward) Get Command for Status User WB-G High Light *** Input 1 (Main Screen) Input 2 (Main Screen) Input 3 (Main Screen) Input 4 (Main Screen) Input 5 (Main Screen) Input 5 (Main Screen) Input Antenna A *** ch (Analog/Digital Terrestrial Broadcast) Input Antenna B *** ch (Analog Terrestrial Broadcast) Input LINK Single-Window Display Multi-Window Display Multi-Window Display Multi-Picture-in-Picture (Lower Right) Picture-in-Picture (Upper Right)	Available Only When Combined with CHN	(P) Com PON POF INP INP INP INP VOL AMT AMT SMZ SMZ SMZ SMZ	RO-1 mand S01 S02 S03 S04 S05 **** S00 S01 S01 S01 S01 S01 S01 S02 S01 S01 S01 S03 S04 S05 S01 S05 S05 S05 S05 S05 S05 S05 S05	OIOHD/PR Function Power ON Power Off Input 1 Input 2 Input 3 Input 4 Input 5 Volume *** Mute Off Mute Off Screen Size: DOT BYI Screen Size: ZOO Screen Size: ZOO Screen Size: ZOO Screen Size: ZOO
FWD GDI GHI INP INP INP INP INP INA INB INB MST MST	*** S01 S02 S03 S04 S05 *** *** *** S00 S01 S02	Preset ch (1 step forward) Get Command for Status User WB-G High Light *** Input 1 (Main Screen) Input 2 (Main Screen) Input 3 (Main Screen) Input 5 (Main Screen) Input 5 (Main Screen) Input 5 (Main Screen) Input 5 (Main Screen) Input Antenna A *** ch (Analog/Digital Terrestrial Broadcast) Input Antenna B *** ch (Analog Terrestrial Broadcast) Input LINK Single-Window Display Multi-Window Display	Available Only When Combined with CHN	(P) Com PON POF INP INP INP INP VOL AMT AMT SMZ SMZ SMZ SMZ SMZ SMZ	RO-1 mand S01 S02 S03 S04 S05 S01 S00 S01 S00 S01 S02 S03 S04 S05	OIOHD/PR Function Power ON Power Off Input 1 Input 2 Input 3 Input 4 Input 5 Volume*** Mute Off Mute On Screen Size: DOT BYI Screen Size: CINE Screen Size: CINE Screen Size: CINE Screen Size: CINE Screen Size: CINE
FWD GDI GHI INP INP INP INP INA INB INB MST MST MST	*** S01 S02 S03 S04 S05 *** *** *** S00 S01 S02 S03 S04	Preset ch (1 step forward) Get Command for Status User WB-G High Light *** Input 1 (Main Screen) Input 2 (Main Screen) Input 3 (Main Screen) Input 5 (Main Screen) Input 5 (Main Screen) Input 5 (Main Screen) Input 5 (Main Screen) Input Antenna A *** ch (Analog/Digital Terrestrial Broadcast) Input Antenna B *** ch (Analog Terrestrial Broadcast) Input LINK Single-Window Display Multi-Window: 2-Screen (Main Screen Size: Normal) Picture-in-Picture (Lower Right) Picture-in-Picture (Upper Left)	Available Only When Combined with CHN	(P) PON POF INP INP INP INP INP VOL AMT AMT SMZ SMZ SMZ SMZ SMZ SMZ SMZ SMZ	RO-1 mand S01 S02 S03 S04 S05 **** S00 S01 S00 S01 S02 S03 S04 S05 S00 S05 S00 S01 S02 S03 S04 S05 S00 S01 S02 S03 S04 S05 S05 S05 S06 S05 S06 S07 S07 S07 S07 S07 S07 S07 S07	OIOHD/PR Function Power ON Power Off Input 1 Input 2 Input 3 Input 4 Input 5 Volume*** Mute Off Mute On Screen Size: DOT BYI Screen Size: VILI Screen Size: CINE Screen Size: Screen
FWD GDI GHI INP INP INP INP INP INP INP INA INB MST MST	*** S01 S02 S03 S04 S05 *** *** *** S00 S01 S02 S03	Preset ch (1 step forward) Get Command for Status User WB-G High Light **** Input 1 (Main Screen) Input 2 (Main Screen) Input 3 (Main Screen) Input 4 (Main Screen) Input 5 (Main Screen) Input 5 (Main Screen) Input Antenna A *** ch (Analog/Digital Terrestrial Broadcast) Input Antenna B *** ch (Analog Terrestrial Broadcast) Input Antenna B *** ch (Main Screen Size: Normal) Picture-in-Picture (Lower Right) Picture-in-Picture (Upper Left) Picture-in-Picture	Available Only When Combined with CHN	(P) Com PON POF INP INP INP INP INP VOL AMT SMZ SMZ SMZ SMZ SMZ SMZ SMZ SMZ	RO-1 mand S01 S02 S03 S04 S05 S01 S00 S01 S00 S01 S02 S03 S04 S05	OIOHD/PR Power ON Power ON Power Off Input 1 Input 2 Input 3 Input 4 Input 5 Volume *** Mute Off Mute Off Mute Off Screen Size: DOT BYI Screen Size: 4:3 Screen Size: VINE Screen Size: VIN
FWD GDI GHI INP INP INP INP INA INB ING MST MST MST MST	*** S01 S02 S03 S04 S05 *** *** *** S00 S01 S02 S03 S04 S05	Preset ch (1 step forward) Get Command for Status User WB-G High Light *** Input 1 (Main Screen) Input 2 (Main Screen) Input 3 (Main Screen) Input 5 (Main Screen) Input Antenna A *** ch (Analog/Digital Terrestrial Broadcast) Input Antenna B *** ch (Analog Terrestrial Broadcast) Input i.LINK Single-Window Display Multi-Window Display Multi-Window Display Multi-Window Display Multi-Window Z-Screen (Main Screen Size: Normal) Picture-in-Picture (Lower Right) Picture-in-Picture (Upper Left) Picture-In-Picture (Lower Left)	Available Only When Combined with CHN	(P) PON POF INP INP INP VOL AMT AMT SMZ SMZ SMZ SMZ SMZ SMZ SMZ SMZ SMZ OSD OSD OSD	RO-1 mand S01 S02 S03 S04 S05 **** S00 S01 S00 S01 S02 S03 S04 S05 S00 S05 S00 S01 S02 S03 S04 S05 S00 S01 S02 S03 S04 S05 S05 S05 S06 S05 S06 S07 S07 S07 S07 S07 S07 S07 S07	OIOHD/PR Function Power ON Power Off Input 1 Input 2 Input 3 Input 4 Volume *** Mute Off Mute On Screen Size: DOT BY Screen Size: VIDI Screen Size: CINE Screen Size: VIDI Screen Size: VIDI Screen Size: CINE Screen Size: CINE
FWD GDI GHI INP INP INP INP INA INB INB MST MST MST	*** S01 S02 S03 S04 S05 *** *** *** S00 S01 S02 S03 S04	Preset ch (1 step forward) Get Command for Status User WB-G High Light *** Input 1 (Main Screen) Input 2 (Main Screen) Input 3 (Main Screen) Input 5 (Main Screen) Input 5 (Main Screen) Input 5 (Main Screen) Input 5 (Main Screen) Input Antenna A *** ch (Analog/Digital Terrestrial Broadcast) Input Antenna B *** ch (Analog Terrestrial Broadcast) Input Antenna B *** ch (Analog Terrestrial Broadcast) Input I.INK Single-Window Display Multi-Window: 2:Screen (Uaper Right) Picture-in-Picture (Upper Left) Multi-Window: 2:Screen Multi-Window: 2:Screen	Available Only When Combined with CHN	(P) Com PON POF INP INP INP INP INP VOL AMT SMZ SMZ SMZ SMZ SMZ SMZ SMZ SMZ	RO-1 mand S01 S02 S03 S04 S05 **** S00 S01 S00 S01 S02 S03 S04 S05 S00 S05 S00 S01 S02 S03 S04 S05 S00 S01 S02 S03 S04 S05 S05 S05 S06 S05 S06 S07 S07 S07 S07 S07 S07 S07 S07	OIOHD/PR Function Power ON Power Off Input 1 Input 2 Input 3 Input 4 Input 5 Volume*** Mute Off Mute On Screen Size: CINE Screen Size: Screen Size: CINE Screen Size: Screen Size: Sc
FWD GDI GHI INP INP INP INP INP INP INP INP INP MST MST MST MST	*** S01 S02 S03 S04 S05 *** *** *** S00 S01 S02 S03 S04 S05 S06	Preset ch (1 step forward) Get Command for Status User WB-G High Light **** Input 1 (Main Screen) Input 2 (Main Screen) Input 3 (Main Screen) Input 4 (Main Screen) Input 4 (Main Screen) Input 4 (Main Screen) Input 4 (Main Screen) Input Antenna A *** ch (Analog /Digital Terrestrial Broadcast) Input Antenna B *** ch (Analog Terrestrial Broadcast) Input J.LINK Single-Window Display Multi-Window: 2-Screen (Main Screen Size: Normal) Picture-in-Picture (Upper Right) Picture-in-Picture (Upper Left) Picture-in-Picture (Lower Left) Multi-Window: 2-Screen (Main Screen Size: Medium)	Available Only When Combined with CHN	(P) PON POF INP INP INP VOL AMT AMT SMZ SMZ SMZ SMZ SMZ SMZ SMZ SMZ SMZ OSD OSD OSD	RO-1 mand S01 S02 S03 S04 S05 **** S00 S01 S00 S01 S02 S03 S04 S05 S00	OIOHD/PR Function Power ON Power Off Input 1 Input 2 Input 3 Input 4 Input 5 Volume*** Mute Off Mute Off Mute Off Screen Size: DOT BYI Screen Size: XIII Screen Size: VIDI Screen Size: Screen Size: Scr
FWD GDI GHI INP INP INP INP INP INA INB ING MST MST MST MST	*** S01 S02 S03 S04 S05 *** *** *** S00 S01 S02 S03 S04 S05	Preset ch (1 step forward) Get Command for Status User WB-G High Light *** Input 1 (Main Screen) Input 2 (Main Screen) Input 3 (Main Screen) Input 5 (Main Screen) Input 5 (Main Screen) Input 4 (Main Screen) Input Antenna B *** ch (Analog/Digital Terrestrial Broadcast) Input 1.LINK Single-Window Display Multi-Window: 2-Screen (Main Screen Size: Normal) Picture-in-Picture (Upper Right) Picture-in-Picture (Upper Left) Picture-in-Picture (Lower Left) Multi-Window: 2-Screen (Main Screen Size: Medium) Multi-Window: 2-Screen	Available Only When Combined with CHN	(P) PON POF INP INP INP VOL AMT AMT SMZ SMZ SMZ SMZ SMZ SMZ SMZ SMZ SMZ OSD OSD OSD	RO-1 mand S01 S02 S03 S04 S05 **** S00 S01 S00 S01 S02 S03 S04 S05 S00	OIOHD/PR Function Power ON Power Off Input 1 Input 2 Input 3 Input 4 Input 5 Volume*** Mute Off Mute On Screen Size: CINE Screen Size: Screen Size: CINE Screen Size: Screen Size: Sc
FWD GDI GHI INP INP INP INP INP INP INP INP INP MST MST MST MST MST MST	*** S01 S02 S03 S04 S05 *** *** S00 S01 S02 S03 S04 S05 S06 S07	Preset ch (1 step forward) Get Command for Status User WB-G High Light *** Input 1 (Main Screen) Input 2 (Main Screen) Input 3 (Main Screen) Input 5 (Main Screen) Input 3 (Main Screen) Input 4 Antenna A *** ch (Analog/Digital Terrestrial Broadcast) Input Antenna B *** ch (Analog Terrestrial Broadcast) Input i.LINK Single-Window Display Multi-Window 2:-Screen (Main Screen Size: Normal) Picture-in-Picture (Upper Left) Picture-in-Picture (Lower Left) Multi-Window: 2-Screen (Main Screen Size: Medium) Multi-Window: 2-Screen (Main Screen Size: Large)	Available Only When Combined with CHN	(P) PON POF INP INP INP VOL AMT AMT SMZ SMZ SMZ SMZ SMZ SMZ SMZ SMZ SMZ OSD OSD OSD	RO-1 mand S01 S02 S03 S04 S05 **** S00 S01 S00 S01 S02 S03 S04 S05 S00	OIOHD/PR Function Power ON Power Off Input 1 Input 2 Input 3 Input 4 Input 5 Volume*** Mute Off Mute Off Mute Off Screen Size: DOT BYI Screen Size: XIII Screen Size: VIDI Screen Size: Screen Size: Scr
FWD GDI GHI INP INP INP INP INP INP INP INP INP MST MST MST MST	*** S01 S02 S03 S04 S05 *** *** *** S00 S01 S02 S03 S04 S05 S06	Preset ch (1 step forward) Get Command for Status User WB-G High Light *** Input 1 (Main Screen) Input 2 (Main Screen) Input 3 (Main Screen) Input 5 (Main Screen) Input 4 Antenna A *** ch (Analog/Digital Terrestrial Broadcast) Input Antenna B *** ch (Analog Terrestrial Broadcast) Input Antenna B *** ch (Analog Terrestrial Broadcast) Input Antenna B *** ch (Analog Terrestrial Broadcast) Input I.INK Single-Window Display Multi-Window: 2-Screen (Main Screen Size: Normal) Picture-in-Picture (Upper Left) Multi-Window: 2-Screen (Main Screen Size: Large) SWAP (Switch Images between	Available Only When Combined with CHN	(P) PON POF INP INP INP VOL AMT AMT SMZ SMZ SMZ SMZ SMZ SMZ SMZ SMZ SMZ OSD OSD OSD	RO-1 mand S01 S02 S03 S04 S05 **** S00 S01 S00 S01 S02 S03 S04 S05 S00	OIOHD/PR Function Power ON Power Off Input 1 Input 2 Input 3 Input 4 Input 5 Volume*** Mute Off Mute Off Mute Off Screen Size: DOT BYI Screen Size: XIII Screen Size: VIDI Screen Size: Screen Size: Scr
FWD GDI GHI INP INP INP INP INP INP INP INP INP MST MST MST MST MST MST	*** S01 S02 S03 S04 S05 *** *** S00 S01 S02 S03 S04 S05 S06 S07	Preset ch (1 step forward) Get Command for Status User WB-G High Light **** Input 1 (Main Screen) Input 2 (Main Screen) Input 3 (Main Screen) Input 4 (Main Screen) Input 5 (Main Screen) Input 5 (Main Screen) Input Antenna A *** ch (Analog/Digital Terrestrial Broadcast) Input Antenna B *** ch (Analog Terrestrial Broadcast) Input Antenna B *** ch (Analog Terrestrial Broadcast) Input Antenna B *** ch (Main Screen Size: Normal) Picture-in-Picture (Lower Right) Picture-in-Picture (Upper Left) Picture-in-Picture (Lower Left) Multi-Window: 2-Screen (Main Screen Size: Large) SWAP (Switch Images between Main- and Sub-screens)	Available Only When Combined with CHN	(P) PON POF INP INP INP VOL AMT AMT SMZ SMZ SMZ SMZ SMZ SMZ SMZ SMZ SMZ OSD OSD OSD	RO-1 mand S01 S02 S03 S04 S05 **** S00 S01 S00 S01 S02 S03 S04 S05 S00	OIOHD/PR Function Power ON Power Off Input 1 Input 2 Input 3 Input 4 Input 5 Volume*** Mute Off Mute Off Mute Off Screen Size: DOT BYI Screen Size: XIII Screen Size: VIDI Screen Size: Screen Size: Scr
FWD GDI GHI INP INP INP INP INP INP INP INP INP MST MST MST MST MST MST	*** S01 S02 S03 S04 S05 *** *** S00 S01 S02 S03 S04 S05 S06 S07	Preset ch (1 step forward) Get Command for Status User WB-G High Light *** Input 1 (Main Screen) Input 2 (Main Screen) Input 4 (Main Screen) Input 5 (Main Screen) Input 5 (Main Screen) Input 5 (Main Screen) Input 4 (Main Screen) Input 4 (Main Screen) Input 4 Antenna A *** ch (Analog/Digital Terrestrial Broadcast) Input i.LINK Single-Window Display Multi-Window Display Multi-Window Display Multi-Window Display Picture-in-Picture (Lower Right) Picture-in-Picture (Upper Left) Picture-in-Picture (Lower Left) Multi-Window: 2-Screen (Main Screen Size: Medium) Multi-Window: 2-Screen (Main Screen Size: Large) SWAP (Switch Images between Main- and Sub-screens) Switch Audio Channel	Available Only When Combined with CHN	(P) PON POF INP INP INP VOL AMT AMT SMZ SMZ SMZ SMZ SMZ SMZ SMZ SMZ SMZ OSD OSD OSD	RO-1 mand S01 S02 S03 S04 S05 **** S00 S01 S00 S01 S02 S03 S04 S05 S00	OIOHD/PR Function Power ON Power Off Input 1 Input 2 Input 3 Input 4 Input 5 Volume*** Mute Off Mute Off Mute Off Screen Size: DOT BYI Screen Size: XIII Screen Size: VIDI Screen Size: Screen Size: Scr
FWD GDI GHI INP INP INP INP INP INP INP INP INP MST MST MST MST MST MST	*** S01 S02 S03 S04 S05 *** *** S00 S01 S02 S03 S04 S05 S06 S07	Preset ch (1 step forward) Get Command for Status User WB-G High Light *** Input 1 (Main Screen) Input 2 (Main Screen) Input 3 (Main Screen) Input 5 (Main Screen) Input 1 (Main Screen Size: Normal) Picture-in-Picture (Lower Right) Picture-in-Picture (Upper Right) Picture-in-Picture (Upper Left) Picture-in-Picture (Lower Left) Multi-Window: 2-Screen (Main Screen Size: Medium) Multi-Window: 2-Screen (Main Screen Size: Medium) Multi-Window: 2-Screen (Main Screen Size: Large) SWAP (Switch Images between Main- and Sub-screens) Switch Audio Channel (Language) for Terrestrial	Available Only When Combined with CHN	(P) PON POF INP INP INP VOL AMT AMT SMZ SMZ SMZ SMZ SMZ SMZ SMZ SMZ SMZ OSD OSD OSD	RO-1 mand S01 S02 S03 S04 S05 **** S00 S01 S00 S01 S02 S03 S04 S05 S00	OIOHD/PR Function Power ON Power Off Input 1 Input 2 Input 3 Input 4 Input 5 Volume*** Mute Off Mute Off Mute Off Screen Size: DOT BYI Screen Size: XIII Screen Size: VIDI Screen Size: Screen Size: Scr
FWD GDI GHI INP INP INP INP INP INA INB MST MST MST MST MST MST MST MST	*** S01 S02 S03 S04 S05 *** *** *** S00 S01 S02 S03 S04 S05 S06 S07 S08	Preset ch (1 step forward) Get Command for Status User WB-G High Light **** Input 1 (Main Screen) Input 2 (Main Screen) Input 3 (Main Screen) Input 4 (Main Screen) Input 4 (Main Screen) Input 4 (Main Screen) Input 4 (Main Screen) Input Antenna A *** ch (Analog //Digital Terrestrial Broadcast) Input Antenna B *** ch (Analog Terrestrial Broadcast) Input Antenna B *** ch (Analog Terrestrial Broadcast) Input Antenna B *** ch (Main Screen Size: Normal) Picture-in-Picture (Upper Right) Picture-in-Picture (Upper Left) Picture-in-Picture (Lower Right) Picture-in-Picture (Lower Left) Picture-in-Size: Medium) Multi-Window: 2-Screen (Main Screen Size: Medium) Multi-Window: 2-Screen (Main Screen Size: Large) SWAP (Switch Images between Main- and Sub-screens) Switch Audio Channel (Language) for Terrestrial Tuner (Cyclic)	Available Only When Combined with CHN	(P) PON POF INP INP INP VOL AMT AMT SMZ SMZ SMZ SMZ SMZ SMZ SMZ SMZ SMZ OSD OSD OSD	RO-1 mand S01 S02 S03 S04 S05 **** S00 S01 S00 S01 S02 S03 S04 S05 S00	OIOHD/PR Function Power ON Power Off Input 1 Input 2 Input 3 Input 4 Input 5 Volume*** Mute Off Mute Off Mute Off Screen Size: DOT BYI Screen Size: XIII Screen Size: VIDI Screen Size: Screen Size: Scr
FWD GDI GHI INP INP INP INP INP INP INA INB MST MST MST MST MST MST MST MST MST MST	*** S01 S02 S03 S04 S05 *** *** *** S00 S01 S02 S03 S04 S05 S06 S06 S07 S08 S00	Preset ch (1 step forward) Get Command for Status User WB-G High Light **** Input 1 (Main Screen) Input 2 (Main Screen) Input 3 (Main Screen) Input 5 (Main Screen) Input 5 (Main Screen) Input 4 (Main Screen) Input 4 (Main Screen) Input Antenna A *** ch (Analog/Digital Terrestrial Broadcast) Input Antenna B *** ch (Analog Terrestrial Broadcast) Input Antenna B *** ch (Analog Terrestrial Broadcast) Input Antenna B *** ch (Main Screen Size: Normal) Picture-in-Picture (Lower Right) Picture-in-Picture (Upper Left) Picture-in-Picture (Lower Left) Multi-Window: 2-Screen (Main Screen Size: Large) SWAP (Switch Images between Main- and Sub-screens) Switch Audio Channel (Language) for Terrestrial Tuner (Cyclo) OSD Display OFF	Available Only When Combined with CHN	(P) PON POF INP INP INP VOL AMT AMT SMZ SMZ SMZ SMZ SMZ SMZ SMZ SMZ SMZ OSD OSD OSD	RO-1 mand S01 S02 S03 S04 S05 **** S00 S01 S00 S01 S02 S03 S04 S05 S00	OIOHD/PR Function Power ON Power Off Input 1 Input 2 Input 3 Input 4 Input 5 Volume*** Mute Off Mute Off Mute Off Screen Size: DOT BYI Screen Size: XIII Screen Size: VIDI Screen Size: Screen Size: Scr
FWD GDI GHI INP INP INP INP INP INP INP INP INP IN	*** S01 S02 S03 S04 S05 *** *** *** S00 S01 S02 S03 S04 S05 S06 S06 S07 S08 S00 S00 S00	Preset ch (1 step forward) Get Command for Status User WB-G High Light *** Input 1 (Main Screen) Input 2 (Main Screen) Input 4 (Main Screen) Input 5 (Main Screen) Input 5 (Main Screen) Input 5 (Main Screen) Input 5 (Main Screen) Input 4 (Main Screen) Input 4 (Main Screen) Input 4 Antenna A *** ch (Analog/Digital Terrestrial Broadcast) Input Antenna B *** ch (Analog Terrestrial Broadcast) Input I.LINK Single-Window Display Multi-Window 2:-Screen (Main Screen Size: Normal) Picture-in-Picture (Lower Right) Picture-in-Picture (Upper Left) Picture-in-Picture (Lower Left) Multi-Window: 2-Screen (Main Screen Size: Large) SWAP (Switch Images between Main- and Sub-screens) Switch Audio Channel (Language) for Terrestrial Tuner (Cyclic) OSD Display OFF	Available Only When Combined with CHN User WB Adjustment	(P) PON POF INP INP INP VOL AMT AMT SMZ SMZ SMZ SMZ SMZ SMZ SMZ SMZ SMZ OSD OSD OSD	RO-1 mand S01 S02 S03 S04 S05 **** S00 S01 S00 S01 S02 S03 S04 S05 S00	OIOHD/PR Function Power ON Power Off Input 1 Input 2 Input 3 Input 4 Input 5 Volume*** Mute Off Mute Off Mute Off Screen Size: DOT BYI Screen Size: XIII Screen Size: VIDI Screen Size: Screen Size: Scr
FWD GDI GHI INP INP INP INP INP INP INP INP INP IN	*** S01 S02 S03 S04 S05 *** *** *** S00 S01 S02 S03 S04 S05 S06 S06 S07 S08 S00	Preset ch (1 step forward) Get Command for Status User WB-G High Light *** Input 1 (Main Screen) Input 2 (Main Screen) Input 3 (Main Screen) Input 5 (Main Screen) Input 1 (Main Screen Size: Normal) Picture-in-Picture (Lower Right) Picture-in-Picture (Upper Left) Picture-in-Picture (Upper Left) Multi-Window: 2-Screen (Main Screen Size: Medium) Multi-Window: 2-Screen (Main Screen Size: Medium) Multi-Window: 2-Screen (Main Screen Size: Large) SWAP (Switch Images between Main- and Sub-screens) Switch Audio Channel (Language) for Terrestrial Tuner (Cyclic) OSD Display OFF	Available Only When Combined with CHN	(P) PON POF INP INP INP VOL AMT AMT SMZ SMZ SMZ SMZ SMZ SMZ SMZ SMZ SMZ OSD OSD OSD	RO-1 mand S01 S02 S03 S04 S05 **** S00 S01 S00 S01 S02 S03 S04 S05 S00 S05 S00 S01 S02 S03 S04 S05 S00 S01 S02 S03 S04 S05 S05 S05 S06 S05 S06 S07 S07 S07 S07 S07 S07 S07 S07	OIOHD/PR Function Power ON Power Off Input 1 Input 2 Input 3 Input 4 Input 5 Volume*** Mute Off Mute Off Mute Off Screen Size: DOT BYI Screen Size: XIII Screen Size: VIDI Screen Size: Screen Size: Scr
FWD GDI GHI INP INP INP INP INP INA ING MST MST MST MST MST MST MST MST MST MST	*** S01 S02 S03 S04 S05 *** *** *** S00 S01 S02 S03 S04 S05 S06 S06 S07 S08 S00 S00 S00	Preset ch (1 step forward) Get Command for Status User WB-G High Light **** Input 1 (Main Screen) Input 2 (Main Screen) Input 3 (Main Screen) Input 4 (Main Screen) Input 5 (Main Screen) Input 5 (Main Screen) Input 4 (Main Screen) Input 4 (Main Screen) Input Antenna A *** ch (Analog Drerestrial Broadcast) Input Antenna B *** ch (Analog Terrestrial Broadcast) Input Antenna B *** ch (Analog Terrestrial Broadcast) Input Antenna B *** ch (Main Screen Size: Normal) Picture-in-Picture (Lower Right) Picture-in-Picture (Loper Left) Picture-in-Picture (Loper Left) Picture-in-Picture (Lower Size: Large) SWAP (Switch Images between Main- and Sub-screens) Switch Audio Channel (Language) for Terrestrial Tuner (Cyclic) OSD Display OFF OSD Display ON Switch Gamma to ** Power OFF	Available Only When Combined with CHN User WB Adjustment	(P) PON POF INP INP INP VOL AMT AMT SMZ SMZ SMZ SMZ SMZ SMZ SMZ SMZ SMZ OSD OSD OSD	RO-1 mand S01 S02 S03 S04 S05 **** S00 S01 S00 S01 S02 S03 S04 S05 S00 S05 S00 S01 S02 S03 S04 S05 S00 S01 S02 S03 S04 S05 S05 S05 S06 S05 S06 S07 S07 S07 S07 S07 S07 S07 S07	OIOHD/PR Function Power ON Power Off Input 1 Input 2 Input 3 Input 4 Input 5 Volume*** Mute Off Mute Off Mute Off Screen Size: DOT BYI Screen Size: XIII Screen Size: VIDI Screen Size: Screen Size: Screen Size: Screen Size: VIDI Screen Size: Screen Siz
FWD GDI GHI INP INP INP INP INP INP INP INP INP IN	*** S01 S02 S03 S04 S05 *** *** *** S00 S01 S02 S03 S04 S05 S06 S06 S07 S08 S06 S07 S08	Preset ch (1 step forward) Get Command for Status User WB-G High Light *** Input 1 (Main Screen) Input 2 (Main Screen) Input 4 (Main Screen) Input 5 (Main Screen) Input 5 (Main Screen) Input 4 (Main Screen) Input 4 (Main Screen) Input Antenna A *** ch (Analog/Digital Terrestrial Broadcast) Input Antenna B *** ch (Analog Terrestrial Broadcast) Input I.LINK Single-Window Display Multi-Window: 2-Screen (Main Screen Size: Normal) Picture-in-Picture (Upper Right) Picture-in-Picture (Upper Left) Picture-in-Picture (Lower Efg) Multi-Window: 2-Screen (Main Screen Size: Large) SWAP (Switch Images between Main- and Sub-screens) Switch Audio Channel (Language) for Terrestrial Tuner (Cyclic) OSD Display OFF OSD Display OFF Power ON	Available Only When Combined with CHN User WB Adjustment	(P) PON POF INP INP INP VOL AMT AMT SMZ SMZ SMZ SMZ SMZ SMZ SMZ SMZ SMZ OSD OSD OSD	RO-1 mand S01 S02 S03 S04 S05 **** S00 S01 S00 S01 S02 S03 S04 S05 S00 S05 S00 S01 S02 S03 S04 S05 S00 S01 S02 S03 S04 S05 S05 S05 S06 S05 S06 S07 S07 S07 S07 S07 S07 S07 S07	OIOHD/PR Function Power ON Power Off Input 1 Input 2 Input 3 Input 4 Input 5 Volume*** Mute Off Mute Off Mute Off Screen Size: DOT BYI Screen Size: XIII Screen Size: VIDI Screen Size: Screen Size: Screen Size: Screen Size: VIDI Screen Size: Screen Siz
FWD GDI GDI INP INP INP INP INP INP INP INP INP IN	*** S01 S02 S03 S04 S05 *** *** S00 S01 S02 S03 S04 S05 S06 S07 S08 S00 S01 S** S00 S01	Preset ch (1 step forward) Get Command for Status User WB-G High Light *** Input 1 (Main Screen) Input 2 (Main Screen) Input 3 (Main Screen) Input 5 (Main Screen) Input 5 (Main Screen) Input 5 (Main Screen) Input 5 (Main Screen) Input 4 (Main Screen) Input 5 (Main Screen) Input 4 Antenna A *** ch (Analog/Digital Terrestrial Broadcast) Input i.LINK Single-Window Display Multi-Window 2:-Screen (Main Screen Size: Normal) Picture-in-Picture (Lower Right) Picture-in-Picture (Upper Light) Picture-in-Picture (Lower Left) Multi-Window: 2-Screen (Main Screen Size: Large) SWAP (Switch Images between Main- and Sub-screens) Switch Audio Channel (Language) for Terrestrial Tuner (Cyclic) OSD Display OFF OSD Display ON Switch Gamma to ** Power ON STANDARD	Available Only When Combined with CHN User WB Adjustment	(P) PON POF INP INP INP VOL AMT AMT SMZ SMZ SMZ SMZ SMZ SMZ SMZ SMZ SMZ OSD OSD OSD	RO-1 mand S01 S02 S03 S04 S05 **** S00 S01 S00 S01 S02 S03 S04 S05 S00 S05 S00 S01 S02 S03 S04 S05 S00 S01 S02 S03 S04 S05 S05 S05 S06 S05 S06 S07 S07 S07 S07 S07 S07 S07 S07	OIOHD/PR Function Power ON Power Off Input 1 Input 2 Input 3 Input 4 Input 5 Volume*** Mute Off Mute Off Mute Off Screen Size: DOT BYI Screen Size: XIII Screen Size: VIDI Screen Size: Screen Size: Screen Size: Screen Size: VIDI Screen Size: Screen Siz
FWD GDI GHI INP INP INP INP INP INP INA INB MST MST MST MST MST MST MST MST MST MST	*** S01 S02 S03 S04 S05 *** *** *** S00 S01 S02 S03 S04 S05 S06 S06 S07 S08 S06 S07 S08	Preset ch (1 step forward) Get Command for Status User WB-G High Light **** Input 1 (Main Screen) Input 2 (Main Screen) Input 3 (Main Screen) Input 5 (Main Screen) Input 4 (Main Screen) Input 4 (Main Screen) Input 4 (Main Screen) Input Antenna A *** ch (Analog /Digital Terrestrial Broadcast) Input Antenna B *** ch (Analog Terrestrial Broadcast) Input Antenna B *** ch (Analog Terrestrial Broadcast) Input Antenna B *** ch (Main Screen Size: Normal) Picture-in-Picture (Uower Right) Picture-in-Picture (Uoper Left) Picture-in-Picture (Lower Left) Picture-in-Picture (Main Screen Size: Medium) Multi-Window: 2-Screen (Main Screen Size: Medium) Multi-Window: 2-Screen (Main Screen Size: Large) SWAP (Switch Images between Main- and Sub-screens) Switch Audio Channel (Language) for Terrestrial Tuner (Cyclic) OSD Display OFF OSD Display OFF Power ON STANDARD ADVANCED	Available Only When Combined with CHN User WB Adjustment	(P) PON POF INP INP INP VOL AMT AMT SMZ SMZ SMZ SMZ SMZ SMZ SMZ SMZ SMZ OSD OSD OSD	RO-1 mand S01 S02 S03 S04 S05 **** S00 S01 S00 S01 S02 S03 S04 S05 S00 S05 S00 S01 S02 S03 S04 S05 S00 S01 S02 S03 S04 S05 S05 S05 S06 S05 S06 S07 S07 S07 S07 S07 S07 S07 S07	OIOHD/PR Function Power ON Power Off Input 1 Input 2 Input 3 Input 4 Input 5 Volume*** Mute Off Mute Off Mute Off Screen Size: DOT BYI Screen Size: XIII Screen Size: VIDI Screen Size: Screen Size: Screen Size: Screen Size: VIDI Screen Size: Screen Siz
FWD GDI GHI INP INP INP INP INP INP INP INP INP IN	*** S01 S02 S03 S04 S05 *** *** S00 S01 S02 S03 S04 S05 S06 S07 S08 S00 S01 S** S00 S01	Preset ch (1 step forward) Get Command for Status User WB-G High Light **** Input 1 (Main Screen) Input 2 (Main Screen) Input 3 (Main Screen) Input 5 (Main Screen) Input 5 (Main Screen) Input 5 (Main Screen) Input 4 (Main Screen) Input Antenna A *** ch (Analog/Digital Terrestrial Broadcast) Input Antenna B *** ch (Analog Terrestrial Broadcast) Input Antenna B *** ch (Analog Terrestrial Broadcast) Input Antenna B *** ch (Main Screen Size: Normal) Picture-in-Picture (Lower Right) Picture-in-Picture (Upper Left) Picture-in-Picture (Lower Left) Picture-in-Picture (Lower Left) Multi-Window: 2-Screen (Main Screen Size: Large) SWAP (Switch Images between Main- and Sub-screens) Switch Audio Channel (Language) for Terrestrial Tuner (cyclic) OSD Display OFF Osb Display OFF Power ON STANDARD ADVANCED Preset ch	Available Only When Combined with CHN User WB Adjustment	(P) PON POF INP INP INP VOL AMT AMT SMZ SMZ SMZ SMZ SMZ SMZ SMZ SMZ SMZ OSD OSD OSD	RO-1 mand S01 S02 S03 S04 S05 **** S00 S01 S00 S01 S02 S03 S04 S05 S00 S05 S00 S01 S02 S03 S04 S05 S00 S01 S02 S03 S04 S05 S05 S05 S06 S05 S06 S07 S07 S07 S07 S07 S07 S07 S07	OIOHD/PR Function Power ON Power Off Input 1 Input 2 Input 3 Input 4 Input 5 Volume*** Mute Off Mute Off Mute Off Screen Size: DOT BYI Screen Size: XIII Screen Size: VIDI Screen Size: Screen Size: Screen Size: Screen Size: VIDI Screen Size: Screen Siz
FWD GDI GHI INP INP INP INP INP INP INP INP INP IN	*** S01 S02 S03 S04 S05 *** *** S00 S01 S02 S03 S04 S05 S06 S07 S08 S06 S07 S08 S08 S00 S01 S ** S08 S01 S ** S01 S ** S08 S01 S ** S08 S04 S05 S07 S07 S08 S07 S07 S07 S07 S07 S07 S07 S07 S07 S07	Preset ch (1 step forward) Get Command for Status User WB-G High Light *** Input 1 (Main Screen) Input 2 (Main Screen) Input 3 (Main Screen) Input 4 (Main Screen) Input 5 (Main Screen) Input 4 (Main Screen) Input 4 (Main Screen) Input 4 (Main Screen) Input Antenna A *** ch (Analog/Digital Terrestrial Broadcast) Input I.LINK Single-Window Display Muti-Window 2:-Screen (Main Screen Size: Normal) Picture-in-Picture (Lower Right) Picture-in-Picture (Upper Left) Picture-in-Picture (Lower Left) Muti-Window: 2-Screen (Main Screen Size: Medium) Muti-Window: 2-Screen (Main Screen Size: Large) SWitch Audio Channel (Language) for Terrestrial Tuner (Cyclic) OSD Display OFF OSD Display OFF OSD Display OFF OSD Display OFF OSD Display OFF Power ON STANDARD ADVANCED Preset ch (1 step backward)	Available Only When Combined with CHN User WB Adjustment	(P) PON POF INP INP INP VOL AMT AMT SMZ SMZ SMZ SMZ SMZ SMZ SMZ SMZ SMZ OSD OSD OSD	RO-1 mand S01 S02 S03 S04 S05 **** S00 S01 S00 S01 S02 S03 S04 S05 S00 S05 S00 S01 S02 S03 S04 S05 S00 S01 S02 S03 S04 S05 S05 S05 S06 S05 S06 S07 S07 S07 S07 S07 S07 S07 S07	OIOHD/PR Function Power ON Power Off Input 1 Input 2 Input 3 Input 4 Input 5 Volume*** Mute Off Mute Off Mute Off Screen Size: DOT BYI Screen Size: XIII Screen Size: VIDI Screen Size: Screen Size: Screen Size: Screen Size: VIDI Screen Size: Screen Siz
FWD GDI GHI INP INP INP INP INP INA INB MST MST MST MST MST MST MST MST MST MST	*** S01 S02 S03 S04 S05 *** *** S00 S01 S02 S03 S04 S05 S06 S07 S08 S00 S01 S** S00 S01	Preset ch (1 step forward) Get Command for Status User WB-G High Light **** Input 1 (Main Screen) Input 2 (Main Screen) Input 3 (Main Screen) Input 5 (Main Screen) Input 5 (Main Screen) Input 5 (Main Screen) Input 4 (Main Screen) Input Antenna A *** ch (Analog/Digital Terrestrial Broadcast) Input Antenna B *** ch (Analog Terrestrial Broadcast) Input Antenna B *** ch (Analog Terrestrial Broadcast) Input Antenna B *** ch (Main Screen Size: Normal) Picture-in-Picture (Lower Right) Picture-in-Picture (Upper Left) Picture-in-Picture (Lower Left) Picture-in-Picture (Lower Left) Multi-Window: 2-Screen (Main Screen Size: Large) SWAP (Switch Images between Main- and Sub-screens) Switch Audio Channel (Language) for Terrestrial Tuner (cyclic) OSD Display OFF Osb Display OFF Power ON STANDARD ADVANCED Preset ch	Available Only When Combined with CHN User WB Adjustment	(P) PON POF INP INP INP VOL AMT AMT SMZ SMZ SMZ SMZ SMZ SMZ SMZ SMZ SMZ OSD OSD OSD	RO-1 mand S01 S02 S03 S04 S05 **** S00 S01 S00 S01 S02 S03 S04 S05 S00 S05 S00 S01 S02 S03 S04 S05 S00 S01 S02 S03 S04 S05 S05 S05 S06 S05 S06 S07 S07 S07 S07 S07 S07 S07 S07	OIOHD/PR Function Power ON Power Off Input 1 Input 2 Input 3 Input 4 Input 5 Volume*** Mute Off Mute Off Mute Off Screen Size: DOT BYI Screen Size: XIII Screen Size: VIDI Screen Size: Screen Size: Screen Size: Screen Size: VIDI Screen Size: Screen Siz

RS-232C Command List
(PRO-1410HD)

Function	Note
Assist Switching Input	
(Back to Default)	
Assist Switching Input	
(Composite)	
Assist Switching Input	
(S-Video)	
Assist Switching Input	
(Component/D-Terminal)	
Assist Switching Input (PC)	
Assist Switching Input (HDMI)	
Assist Switching Input	
(Teletext/Closed Caption/Text)	
Screen Size: Dot by Dot/PARTIAL	
Screen Size: 4:3	
Screen Size: FULL/FULL1080i	
Screen Size: ZOOM	
Screen Size: CINEMA	
Screen Size: WIDE	
Adjust Tint (ISF)	
Increase Adjustment	
Value by 10	
Increase Adjustment	
Value by 1	
Increase Adjustment	
Value by 2	
Increase Adjustment	
Value by 3	
Increase Adjustment	
Value by 4	
Increase Adjustment	
Value by 5	
Increase Adjustment	
Value by 6	
Increase Adjustment	
Value by 7	
Increase Adjustment	
Value by 8	
Increase Adjustment	
Value by 9	
Select the Maximum	
Adjustment Value	
Vol ***	Audio Control
VIDEO Mute OFF	
VIDEO Mute ON	

	C Command List)10HD/PRO-810HD)							
	Function Note							
Ī	Power ON							
	Power Off							
	Input 1							
	Input 2							
	Input 3							
	Input 4							
	Input 5							
	Volume * * *							
	Mute Off							
	Mute On							
	Screen Size: DOT BY DOT							
	Screen Size: 4:3							
	Screen Size: FULL							
	Screen Size: ZOOM							
	Screen Size: CINEMA							
	Screen Size: WIDE							
	OSD Display OFF							
	OSD Display ON							
	Adjustment Digit * Plus	Adjustment support command						
	Adjustment Digit * Minus	Adjustment support command						

No. Command 2 Length Function 1 9FH 4EH 00H Power ON 2 9FH 4FH 00H Power OFF 3 DFH 7FH 03H VOLUME Gain Data 5 9FH 3EH 00H AUDIO Mute ON 6 9FH 3FH 00H AUDIO Mute ON 7 DFH 7FH 03H SCATAGINA 9 DFH 7FH 03H SHARPNESS Gain Data 10 DFH 7FH 03H Color Gain Data 11 DFH 7FH 03H Color TUNE Gain Data 12 DFH 7FH 04H RED Gain Data 13 DFH 7FH 04H RED Gain Data 14 DFH 7FH 03H REEN Gain Data 15 DFH 7FH 03H RALANCE Gain Data 16 DFH 7FH 03H ALANCE Gain Data 17 DFH <	· · ·	I KO-		<u> </u>	
2 9FH 4FH 00H Power OFF 3 DFH 47H 01H Input Switch Change 4 DFH 7FH 03H VOLUME Gain Data 5 9FH 3EH 00H AUDIO Mute ON 6 9FH 7FH 03H BRIGHT Gain Data 7 DFH 7FH 03H SHARPNESS Gain Data 10 DFH 7FH 03H SHARPNESS Gain Data 11 DFH 7FH 03H SHARPNESS Gain Data 12 DFH 7FH 03H Color Gain Data 13 DFH 7FH 04H REC Gain Data 14 DFH 7FH 04H BLUE Gain Data 15 DFH 7FH 03H BALANCE Gain Data 16 DFH 7FH 03H BALANCE Gain Data 17 DFH 7FH 03H HACDSTINO Gain Data 18 DFH 7FH 03H HAVDTO ICTURE Select <					Function
3 DFH 47H 01H Input Switch Change 4 DFH 7FH 03H VOLUME Gain Data 5 9FH 3EH 00H AUDIO Mute OFF 7 DFH 7FH 03H SHARPNESS Gain Data 8 DFH 7FH 03H SHARPNESS Gain Data 10 DFH 7FH 03H Color Gain Data 11 DFH 7FH 03H Color Gain Data 12 DFH 0AH 01H PCTURE MODE Select 13 DFH 0AH 01H RCTURE MODE Select 14 DFH 7FH 04H BLEEN Gain Data 15 DFH 7FH 04H BLEC Gain Data 16 DFH 7FH 03H TREBLE Gain Data 17 DFH 7FH 03H TREBLE Gain Data 18 DFH 7FH 03H HVDITO Gain Data 20 DFH 7FH 03H HVDITO Gain Data					
4 DFH 7FH 03H VOLUME Gain Data 5 9FH 3FH 00H AUDIO Mute OFF 7 DFH 7FH 03H CONTRAST Gain Data 9 DFH 7FH 03H BRIGHT Gain Data 9 DFH 7FH 03H SHARPNESS Gain Data 10 DFH 7FH 03H TINT Gain Data 11 DFH 7FH 03H TINT Gain Data 12 DFH 07H 04H RED Gain Data 13 DFH 07H 04H RED Gain Data 16 DFH 7FH 04H BLUE Gain Data 17 DFH 07H 03H BALANCE Gain Data 18 DFH 7FH 03H BALANCE Gain Data 21 DFH 7FH 03H HALOS Gain Data 22 DFH 7FH 03H HALOS Gain Data 23 DFH 7FH 03H HALOS Gain Data <t< td=""><td></td><td></td><td></td><td></td><td></td></t<>					
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6 9FH 3FH 00H AUDIO Mute OFF 7 DFH 7FH 03H CONTRAST Gain Data 8 DFH 7FH 03H BRIGHT Gain Data 9 DFH 7FH 03H Color Gain Data 11 DFH 7FH 03H TINT Gain Data 12 DFH 0AH 01H PICTURE MODE Select 13 DFH 00H 01H COlor Gain Data 15 DFH 7FH 04H RED Gain Data 16 DFH 7FH 04H RED Gain Data 17 DFH 7FH 03H BALSACE Gain Data 18 DFH 7FH 03H HAUCO Fill Gain Data 20 DFH 7FH 03H H-POSITION Gain Data Cain Data 25 DFH 7FH 03H V-HEIGHT Gain Data Cain Data 25 DFH 7FH 03H H-WIDTH Gain Data Cain Data 26					
7 DFH 7FH 03H CONTRAST Gain Data 9 DFH 7FH 03H BRIGHT Gain Data 9 DFH 7FH 03H SHARPNESS Gain Data 11 DFH 7FH 03H Color Gain Data 11 DFH 7FH 03H TINT Gain Data 12 DFH 00H 01H PICTURE MODE Select 13 DFH 7FH 04H REEN Gain Data 16 DFH 7FH 04H REEN Gain Data 17 DFH 7FH 03H BASS Gain Data 18 DFH 7FH 03H BASS Gain Data 20 DFH 7FH 03H NHODE Set 21 DFH 7FH 03H VPOSITION Gain Data 23 DFH 7FH 03H V-POSITION Gain Data 24 DFH 7FH 03H AUTO PICTURE Select 27 DFH 7FH 03H AUTO PICTURE Select					
8 DFH 7FH 03H BRIGHT Gain Data 9 DFH 7FH 03H Color Gain Data 10 DFH 7FH 03H TINT Gain Data 11 DFH 0AH 01H PICTURE MODE Select 13 DFH 0AH 01H RED Gain Data 14 DFH 7FH 04H RED Gain Data 15 DFH 7FH 04H BLUE Gain Data 16 DFH 7FH 03H BASS Gain Data 17 DFH 7FH 03H BALANCE Gain Data 18 DFH 7FH 03H N-POSITION Gain Data 20 DFH 7FH 03H V-POSITION Gain Data 21 DFH 7FH 03H H-POSITION Gain Data 23 DFH 7FH 03H H-POSITION Gain Data 24 DFH 7FH 03H H-UOSITION Gain Data 25 DFH 7FH 03H H-UOSITION Gain Data					
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10 DFH 7FH 03H Color Gain Data 11 DFH 0AH 01H PICTURE MODE Select 13 DFH 00H 01H PICTURE MODE Select 14 DFH 7FH 04H RED Gain Data 15 DFH 7FH 04H BLE Gain Data 16 DFH 7FH 04H BLE Gain Data 17 DFH 7FH 03H BASS Gain Data 19 DFH 7FH 03H TREBLE Gain Data 20 DFH 7FH 03H V.POSITION Gain Data 23 DFH 7FH 03H V.POSITION Gain Data 24 DFH 7FH 03H V.HEIGHT Gain Data 25 DFH 7FH 03H V.HEIGHT Gain Data 26 DFH 7FH 03H V.HEIGHT Gain Data 27 DFH 7FH 03H CLOCK Gain Data 28 DFH 7FH 03H CLOCK Gain Data <td></td> <td></td> <td></td> <td></td> <td></td>					
11 DFH 7FH 03H TINT Gain Data 12 DFH 00H 01H PICTURE MODE Select 13 DFH 00H 01H COLOR TEMP SELECT 14 DFH 7FH 04H RED Gain Data 15 DFH 7FH 04H BLUE Gain Data 16 DFH 7FH 03H BASS Gain Data 17 DFH 7FH 03H BALSNCE Gain Data 20 DFH 7FH 03H TREBLE Gain Data 21 DFH 7FH 03H V.POSITION Gain Data 23 DFH 7FH 03H V.POSITION Gain Data 24 DFH 7FH 03H H-WIGTH Select 27 DFH 7FH 03H H-WIGTH Select 28 DFH 7FH 03H LOCK Gain Data 29 DFH 1AH 02H POWER MGT Select 31 DFH CH 01H GREN <t< td=""><td>-</td><td></td><td></td><td></td><td></td></t<>	-				
12 DFH 0AH 01H PICTURE MODE Select 13 DFH 7FH 04H RED Gain Data 14 DFH 7FH 04H RED Gain Data 15 DFH 7FH 04H BLUE Gain Data 16 DFH 7FH 03H BASS Gain Data 17 DFH 7FH 03H RASS Gain Data 18 DFH 7FH 03H BALANCE Gain Data 20 DFH 7FH 03H BALANCE Gain Data 21 DFH 7FH 03H V-POSITION Gain Data 23 DFH 7FH 03H V-POSITION Gain Data 24 DFH 7FH 03H V-HOITH Gain Data 25 DFH 7FH 03H AUTO PICTURE Select 26 DFH 7FH 03H AUTO PICTURE Select 27 DFH 7FH 03H AUTO PICTURE Select 28 DFH 7FH 03H LORCK Gain Data					
13 DFH 00H 01H COLOR TEMP SELECT 14 DFH 7FH 04H RED Gain Data 15 DFH 7FH 04H GREEN Gain Data 16 DFH 7FH 04H BLUE Gain Data 17 DFH COH 01H NR MODE Set 18 DFH 7FH 03H BALANCE Gain Data 20 DFH 7FH 03H TREBLE Gain Data 21 DFH 7FH 03H V-POSITION Gain Data 22 DFH 7FH 03H H-WIDTIN Gain Data 23 DFH 7FH 03H H-WIDTIN Gain Data 24 DFH 7FH 03H H-WIDTIN Gain Data 25 DFH 7FH 03H H-WIDTIN Gain Data 26 DFH 7FH 03H H-WIDTI Gain Data 27 DFH 7FH 03H PHASE Gain Data 28 DFH 7FH 03H PLORG TSelect					
14 DFH 7FH 04H RED Gain Data 15 DFH 7FH 04H GREEN Gain Data 16 DFH 7FH 04H BLUE Gain Data 17 DFH COH 01H NR MODE Set 18 DFH 7FH 03H BASS Gain Data 20 DFH 7FH 03H TREBLE Gain Data 21 DFH 7FH 03H V.POSITION Gain Data 23 DFH 7FH 03H V.POSITION Gain Data 24 DFH 7FH 03H V.HEIGHT Gain Data 25 DFH 7FH 03H V.HEIGHT Gain Data 26 DFH 7FH 03H AUTO PICTURE Select 27 DFH 7FH 03H AUTO PICTURE Select 28 DFH 7FH 03H AUTO PICTURE Select 30 DFH 6BH 03H LONG LIFE Set 31 DFH CH 1H CICNE MAY LEVEL Set <td></td> <td></td> <td></td> <td></td> <td></td>					
15 DFH 7FH 04H GREEN Gain Data 16 DFH 7FH 04H BLUE Gain Data 17 DFH 7CH 03H BASS Gain Data 18 DFH 7FH 03H BASS Gain Data 20 DFH 7FH 03H BALANCE Gain Data 21 DFH 51H 01H SCREEN MODE Select 22 DFH 7FH 03H V-POSITION Gain Data 23 DFH 7FH 03H V-HEIGHT Gain Data 24 DFH 7FH 03H V-HEIGHT Gain Data 25 DFH 7FH 03H H-WDTH Gain Data 26 DFH 7FH 03H AUTO PICTURE Select 27 DFH 7FH 03H AUTO PICTURE Select 28 DFH 7FH 03H AUTO PICTURE Select 30 DFH 76H 03H LOCK Gain Data 30 DFH C6H 01H GRAY LEVEL Set <					
16 DFH 7FH 04H BLUE Gain Data 17 DFH COH 01H NR MODE Set 18 DFH 7FH 03H BASS Gain Data 19 DFH 7FH 03H TREBLE Gain Data 20 DFH 7FH 03H TREBLE Gain Data 21 DFH 7FH 03H V.POSITION Gain Data 23 DFH 7FH 03H H-POSITION Gain Data 24 DFH 7FH 03H H-WIDTH Gain Data 25 DFH 7FH 03H H-WIDTH Gain Data 26 DFH 7FH 03H H-WIDTH Gain Data 27 DFH 7FH 03H PHASE Gain Data 28 DFH 7FH 03H CLOCK Gain Data 29 DFH 1AH 02H POWER MGT Select 31 DFH C6H 01H GRAY LEVEL Set 32 DFH C1H 01H CNER MODE Set					
17 DFH COH 01H NR MODE Set 18 DFH 7FH 03H BASS Gain Data 19 DFH 7FH 03H TREBLE Gain Data 20 DFH 51H 01H SCREEN MODE Select 21 DFH 51H 01H SCREEN MODE Select 22 DFH 7FH 03H V-POSITION Gain Data 23 DFH 7FH 03H H-WIDTIN Gain Data 24 DFH 7FH 03H H-WIDTIN Gain Data 25 DFH 7FH 03H H-WIDTIN Gain Data 26 DFH 7FH 03H PHASE Gain Data 27 DFH 7FH 03H CLOCK Gain Data 28 DFH 7FH 03H CLOCK Gain Data 30 DFH 1AH 02H PMER MGT Select 31 DFH 6BH 03H LONG LIFE Set 32 DFH 6BH 03H LONG LIFE Set <td< td=""><td></td><td></td><td></td><td></td><td></td></td<>					
18 DFH 7FH 03H BASS Gain Data 19 DFH 7FH 03H TREBLE Gain Data 20 DFH 7FH 03H BALANCE Gain Data 21 DFH 51H 01H SCREEM MODE Select 22 DFH 7FH 03H V.POSITION Gain Data 23 DFH 7FH 03H H-WIDTH Gain Data 24 DFH 7FH 03H H-WIDTH Gain Data 26 DFH 7FH 03H H-WIDTH Gain Data 27 DFH 7FH 03H AUTO PICTURE Select 27 DFH 7FH 03H AUTO PICTURE Select 28 DFH 7FH 03H AUTO PICTURE Select 30 DFH CHH 01H GRAY LEVEL Set 32 DFH CH 01H GRAY LEVEL Set 33 DFH 6BH 03H LONG LIFE Set 34 DFH 70H 02H Audio Select Set <					
19 DFH 7FH 03H TREBLE Gain Data 20 DFH 7FH 03H BALANCE Gain Data 21 DFH 51H 01H SCREEN MODE Select 22 DFH 7FH 03H V-POSITION Gain Data 23 DFH 7FH 03H V-POSITION Gain Data 24 DFH 7FH 03H V-HEIGHT Gain Data 25 DFH 7FH 03H PUNDTH Gain Data 26 DFH 7FH 03H PUNDTH Gain Data 27 DFH 7FH 03H PUNDTH Gain Data 28 DFH 7FH 03H CLOCK Gain Data 29 DFH 1AH 02H POWER MGT Select 31 DFH 6BH 03H LONG LIFE Set 32 DFH 6BH 03H LONG LIFE Set 33 DFH 6BH 04H SCREEN WIPER Set 35 1FH 54H 00H RESET					
20 DFH 7FH 03H BALANCE Gain Data 21 DFH 5TH 01H SCREEN MODE Select 22 DFH 7FH 03H V.POSITION Gain Data 23 DFH 7FH 03H H.POSITION Gain Data 24 DFH 7FH 03H H.POSITION Gain Data 25 DFH 7FH 03H H.WIDTH Gain Data 26 DFH 7FH 03H H.WIDTH Gain Data 27 DFH 7FH 03H AUTO PICTURE Select 28 DFH 7FH 03H CLOCK Gain Data 29 DFH 1AH 02H POWER MGT Select 31 DFH C6H 01H GRAY LEVEL Set 32 DFH C8H 04H SCREEN WIPER Set 33 DFH 6BH 03H LONG LIFE Set 34 DFH 6BH 01H RCNEEN WIPER Set 35 1FH 5H 01H RAUGO Select Set					
21 DFH 51H 01H SCREEN MODE Select 22 DFH 7FH 03H V.POSITION Gain Data 23 DFH 7FH 03H V.POSITION Gain Data 24 DFH 7FH 03H H-WDITH Gain Data 25 DFH 7FH 03H H-WIDTH Gain Data 26 DFH 7FH 03H PHASE Gain Data 26 DFH 7FH 03H PHASE Gain Data 27 DFH 7FH 03H PLOCK Gain Data 28 DFH 7FH 03H PLOCK Gain Data 30 DFH 1AH 02H OSM ADJ. Gain Data 31 DFH 1AH 02H POWER MGT Select 32 DFH C1H 01H GRAY LEVEL Set 33 DFH 6BH 03H LONG LIFE Set 34 DFH 70H 02H Audio Select Set 37 DFH 8CH 01H BCN Select <					
22 DFH 7FH 03H V.POSITION Gain Data 23 DFH 7FH 03H V.POSITION Gain Data 24 DFH 7FH 03H V-HEIGHT Gain Data 25 DFH 7FH 03H H-WIDTH Gain Data 26 DFH 7FH 03H PHASE Gain Data 27 DFH 7FH 03H PHASE Gain Data 28 DFH 7FH 03H CLOCK Gain Data 29 DFH 1AH 02H OSM ADJ. Gain Data 20 DFH C6H 01H GRAY LEVEL Set 31 DFH C6H 01H GRAY LEVEL Set 32 DFH C8H 04H SCREEN WIPER Set 35 1FH 54H 00H RESET 36 DFH 80H 01H BNC INPUT 38 DFH 80H 01H RAGI Select 39 DFH 80H 01H MUROJAGE Select 4					
23 DFH 7FH 03H H.POSITION Gain Data 24 DFH 7FH 03H V-HEIGHT Gain Data 25 DFH 7FH 03H H-WIDTH Gain Data 26 DFH 7FH 03H AUTO PICTURE Select 27 DFH 7FH 03H AUTO PICTURE Select 28 DFH 7FH 03H CLOCK Gain Data 29 DFH 1AH 02H POWER MGT Select 31 DFH C6H 01H GRAY LEVEL Set 32 DFH C1H 01H CNG LIFE Set 33 DFH 6BH 03H LONG LIFE Set 34 DFH C8H 04H SCREEN WIPER Set 35 1FH 54H 00H RESET 36 DFH 8BH 01H BNC INPUT 38 DFH 8BH 01H LONG LIFE Set 39 DFH 8AH 01H Horecons Stress Select					
24 DFH 7FH 03H V-HEIGHT Gain Data 25 DFH 7FH 03H H-WIDTH Gain Data 26 DFH 7FH 03H AUTO PICTURE Select 27 DFH 7FH 03H PHASE Gain Data 28 DFH 7FH 03H CLOCK Gain Data 29 DFH 1AH 02H POWER MGT Select 30 DFH C6H 01H GRAY LEVEL Set 32 DFH C1H 01H CINEMA MODE Set 33 DFH 6BH 03H LONG LIFE Set 34 DFH 6SH 04H SCREEN WIPER Set 35 1FH 54H 00H RESET 36 DFH 8CH 1H BCR 37 DFH 8AH 01H HCB Select 39 DFH 8AH 01H NCIAGE Select 41 DFH 5CH 01H CAUGAS Select 41 DF					
25 DFH 7FH 03H H-WIDTH Gain Data 26 DFH 7FH 03H AUTO PICTURE Select 27 DFH 7FH 03H PHASE Gain Data 28 DFH 7FH 03H CLOCK Gain Data 29 DFH 1AH 02H OSM ADJ. Gain Data 30 DFH 1AH 02H POWER MGT Select 31 DFH C1H 01H CINEMA MODE Set 32 DFH C1H 01H CINEMA MODE Set 33 DFH 6BH 03H LONG LIFE Set 34 DFH 70H 02H Audio Select Set 37 DFH 8CH 01H BRC IMPUT 38 DFH 8CH 01H RGS Select 39 DFH 8CH 01H RAGE Select 40 DFH 5BH 01H LANGUAGE Select 41 DFH 5CH 01H Mult (Split) Screen Select					
26 DFH 7FH 03H AUTO PICTURE Select 27 DFH 7FH 03H PHASE Gain Data 28 DFH 7FH 03H CLOCK Gain Data 29 DFH 1AH 02H OSM ADJ. Gain Data 30 DFH 1AH 02H POWER MGT Select 31 DFH C6H 01H GRAY LEVEL Set 32 DFH C8H 04H SCREEN WIPER Set 33 DFH 6BH 03H LONG LIFE Set 34 DFH 78H 04H SCREEN WIPER Set 35 1FH 54H 00H RESET 36 DFH 8BH 11H DSelect Set 37 DFH 8BH 01H LANGUAGE Select 40 DFH 5BH 01H LANGUAGE Select 41 DFH 5CH 01H Multi (Split) Screen Select 42 DFH 5BH 01H LANGUAGE Selet Request <tr< td=""><td></td><td></td><td></td><td></td><td></td></tr<>					
27 DFH 7FH 03H PHASE Gain Data 28 DFH 7FH 03H CLOCK Gain Data 29 DFH 1AH 02H OSM ADJ. Gain Data 29 DFH 1AH 02H OSM ADJ. Gain Data 20 DFH 1AH 02H POWER MGT Select 31 DFH C6H 01H GRAY LEVEL Set 32 DFH C1H 01H CINEMA MODE Set 33 DFH 6BH 03H LONG LIFE Set 34 DFH C8H 04H SCREEN WIPER Set 35 1FH 54H 00H RESET 36 DFH 8CH 01H BNC INPUT 38 DFH 8AH 01H HCB Select 40 DFH 5BH 01H LOUGN SYSTEM Select 41 DFH 5BH 01H LOUGN SYSTEM Select 42 DFH 07H 01H Multi (Split) Screen Select					
28 DFH 7FH 03H CLOCK Gain Data 29 DFH 1AH 02H OSM ADJ. Gain Data 30 DFH 1AH 02H POWER MGT Select 31 DFH C6H 01H GRAY LEVEL Set 32 DFH C1H 01H GRAY LEVEL Set 33 DFH 6BH 03H LONG LIFE Set 34 DFH 6BH 04H SCREEN WIPER Set 35 1FH 54H 00H RESET 36 DFH 8CH 01H BNCINPUT 38 DFH 8CH 01H HCS 39 DFH 8CH 01H HCS 40 DFH 5BH 01H CAUGA Select 41 DFH 5BH 01H CAUGA Select 42 DFH 07H 01H Multi (Split) Screen Select 43 1FH 26H 00H FREQUENCY Request 45 1FH					
29 DFH 1AH 02H OSM ADJ. Gain Data 30 DFH 1AH 02H POWER MGT Select 31 DFH C6H 01H GRAY LEVEL Set 32 DFH C1H 01H CINEMA MODE Set 33 DFH 6BH 03H LONG LIFE Set 34 DFH C8H 04H SCREEN WIPER Set 35 1FH 54H 00H RESET 36 DFH 70H 02H Audio Select Set 37 DFH 8CH 01H BNC INPUT 38 DFH 8BH 01H RGB Select 39 DFH 8CH 01H HD Select 40 DFH 5BH 01H CLOR SYSTEM Select 41 DFH 5CH 01H Mult (Split) Screen Select 43 1FH 26H 00H FREQUENCY Request 44 1FH 41H 00H Input MDE Request 45 </td <td></td> <td></td> <td></td> <td></td> <td></td>					
30 DFH 1AH 02H POWER MGT Select 31 DFH C6H 01H GRAY LEVEL Set 32 DFH C1H 01H CIRVELVEL Set 32 DFH C1H 01H CIRVENAMODE Set 33 DFH 6BH 03H LONG LIFE Set 34 DFH C8H 04H SCREEN WIPER Set 35 1FH 54H 00H RESET 36 DFH 8CH 01H BNC INPUT 38 DFH 8BH 01H RGB Select 39 DFH 8AH 01H HO Selet Select 40 DFH 5BH 01H LANGUAGE Select 41 DFH 41H 00H Input MODE Request 42 DFH 07H 01H Multi (Split) Screen Select 43 1FH 41H 00H Input MODE Request 44 1FH 41H 00H Input MODE Request 4			1AH		OSM ADJ. Gain Data
32 DFH C1H 01H CINEMA MODE Set 33 DFH 6BH 03H LONG LIFE Set 34 DFH 6BH 03H LONG LIFE Set 34 DFH C8H 04H SCREEN WIPER Set 35 1FH 54H 00H RESET 36 DFH 70H 02H Audio Select Set 37 DFH 8CH 01H BRG Select 39 DFH 8BH 01H HO Select 39 DFH 5CH 01H CAUGA Select 40 DFH 5CH 01H COLOR SYSTEM Select 42 DFH 07H 01H Multi (Split) Screen Select 43 1FH 26H 00H FREQUENCY Request 44 1FH 45H 00H Input MODE Request 45 1FH 45H 00H Failure Mode Request 46 1FH 3FH 00H Failure Mode Request	30	DFH			
33 DFH 6BH 03H LONG LIFE Set 34 DFH C8H 04H SCREEN WIPER Set 35 1FH 54H 00H RESET 36 DFH 70H 02H Audio Select Set 37 DFH 8CH 01H BNC INPUT 38 DFH 8BH 01H RGB Select 39 DFH 8BH 01H LANGUAGE Select 40 DFH 5BH 01H LANGUAGE Select 41 DFH 5CH 01H Multi (Split) Screen Select 42 DFH 5CH 01H Multi (Split) Screen Select 43 1FH 26H 00H Input MODE Request 44 1FH 41H 00H Input MODE Request 45 1FH 35H 00H Failure Mode Request 46 1FH 00H Multi Selet NAME Request 47 1FH 3FH 00H Role Selet Request	31	DFH	C6H	01H	GRAY LEVEL Set
34 DFH C&H 04H SCREEN WIPER Set 35 1FH 54H 00H RESET 36 DFH 70H 02H Audio Select Set 37 DFH 8CH 01H BNC INPUT 38 DFH 8BH 01H RGB Select 39 DFH 8AH 01H HD Select 40 DFH 5BH 01H LANGUAGE Select 41 DFH 5CH 01H COLOR SYSTEM Select 42 DFH 07H 01H Multi (Split) Screen Select 43 1FH 26H 00H FREQUENCY Request 44 1FH 41H 00H Input MODE Request 45 1FH 45H 00H Nubel NAUR Request 46 1FH 6FH 00H Audio Select Request 47 1FH 3FH 00H Robel NUPUT 50 DFH 8DH 01H D-SUB INPUT 50	32	DFH	C1H	01H	CINEMA MODE Set
35 1FH 54H 00H RESET 36 DFH 70H 02H Audio Select Set 37 DFH 8CH 01H BNC INPUT 38 DFH 88H 01H BRG Select 39 DFH 88H 01H HCS Select 40 DFH 58H 01H LANGUAGE Select 41 DFH 5CH 01H COLOR SYSTEM Select 42 DFH 07H 01H Multi (Split) Screen Select 43 1FH 26H 00H FREQUENCY Request 44 1FH 41H 00H Input MODE Request 45 1FH 45H 00H Inter Mode Request 46 1FH 6FH 00H Audio Select Request 47 1FH 3FH 00H Failure Mode Request 48 1FH 17H 00H Select Set 50 DFH 0CH 01H LOW TONE 5	33	DFH	6BH	03H	LONG LIFE Set
36 DFH 70H 02H Audio Select Set 37 DFH 8CH 01H BNC INPUT 38 DFH 8BH 01H RGB Select 39 DFH 8BH 01H RGB Select 40 DFH 5BH 01H LANGUAGE Select 40 DFH 5CH 01H CLOR SYSTEM Select 41 DFH 5CH 01H Multi (Split) Screen Select 42 DFH 07H 01H Multi (Split) Screen Select 43 1FH 26H 00H FREQUENCY Request 44 1FH 41H 00H Input MODE Request 45 1FH 45H 00H Audio Select Request 46 1FH 3FH 00H Failure Mode Request 47 1FH 3FH 00H NODE LNAME Request 49 DFH 8DH 01H DCW TONE 51 DFH 0DH 08H COLOR TUNE	34	DFH	C8H	04H	SCREEN WIPER Set
37 DFH 8CH 01H BNC INPUT 38 DFH 88H 01H RGB Select 39 DFH 8AH 01H HD Select 30 DFH 8AH 01H HD Select 40 DFH 5BH 01H LANGUAGE Select 41 DFH 5CH 01H COLOR SYSTEM Select 42 DFH 07H 01H Multi (Split) Screen Select 43 1FH 26H 00H FREQUENCY Request 44 1FH 41H 00H Input MODE Request 45 1FH 45H 00H VIDEO ADJ Request 46 1FH 45H 00H Failure Mode Request 47 1FH 3FH 00H Failure Mode Request 48 1FH 17H 00H MODE LNAME Request 49 DFH 8DH 01H D-SUB INPUT 50 DFH 8BH 00H Running Sense	35	1FH	54H	00H	RESET
38 DFH 8BH 01H RGB Select 39 DFH 8AH 01H HD Select 40 DFH 5BH 01H LANGUAGE Select 41 DFH 5CH 01H CAUCAR SYSTEM Select 42 DFH 07H 01H Multi (Split) Screen Select 43 1FH 26H 00H FREQUENCY Request 44 1FH 41H 00H Input MODE Request 45 1FH 45H 00H VIDEO ADJ Request 46 1FH 6FH 00H Audio Select Request 47 1FH 3FH 00H Failure Mode Request 48 1FH 87H 00H MoDEL NAME Request 49 DFH 8DH 01H D-SUB INPUT 50 DFH 0DH 08H COLOR TUNE 52 DFH 0DH 8H COLOR TUNE 53 1FH 88H 00H Running Sense	36	DFH	70H	02H	Audio Select Set
39 DFH 8AH 01H HD Select 40 DFH 5BH 01H LANGUAGE Select 41 DFH 5CH 01H COLOR SYSTEM Select 42 DFH 07H 01H Multi (Split) Screen Select 43 1FH 26H 00H FREQUENCY Request 44 1FH 26H 00H IRPUENCY Request 45 1FH 45H 00H VIDEO ADJ Request 46 1FH 6FH 00H Audio Select Request 47 1FH 3FH 00H Failure Mode Request 48 1FH 17H 0MH Ropeust 49 DFH 0CH 01H LOW TONE 50 DFH 0CH 01H LOW TONE 51 DFH 0DH 88H COLOR TUNE 52 DFH 57H 01H COSM ORBITER 53 1FH 88H 00H Running Sense 54 <td>37</td> <td>DFH</td> <td>8CH</td> <td>01H</td> <td>BNC INPUT</td>	37	DFH	8CH	01H	BNC INPUT
40 DFH 5BH 01H LANGUAGE Select 41 DFH 5CH 01H COLOR SYSTEM Select 42 DFH 07H 01H Multi (Split) Screen Select 43 1FH 26H 00H FREQUENCY Request 44 1FH 26H 00H Irput MODE Request 44 1FH 41H 00H Input MODE Request 45 1FH 45H 00H VIDEO ADJ Request 46 1FH 0H OH Audio Select Request 47 1FH 3FH 00H Failure Mode Request 48 1FH 17H 0H MODEL NAME Request 49 DFH 8DH 01H D.SUB INPUT 50 DFH 0CH 01H LOW TONE 51 DFH 0DH 08H COLOR TUNE 52 DFH 13H 0H GAMMA Gain Data 53 1FH 18H 0H Input Skip <t< td=""><td>38</td><td>DFH</td><td>8BH</td><td>01H</td><td></td></t<>	38	DFH	8BH	01H	
41 DFH 5CH 01H COLOR SYSTEM Select 42 DFH 07H 01H Multi (Spiit) Screen Select 43 1FH 26H 00H FREQUENCY Request 44 1FH 41H 00H Input MODE Request 45 1FH 45H 00H VIDEO ADJ Request 46 1FH 45H 00H VIDEO ADJ Request 47 1FH 3FH 00H Failure Mode Request 48 1FH 17H 00H MODE LNAME Request 49 DFH 8DH 01H D-SUB INPUT 50 DFH 0CH 01H LOW TONE 51 DFH 0DH 08H COLOR TUNE 52 DFH 13H 04H GAMMA Gain Data 53 1FH 88H 00H Running Sense 54 DFH 5FH 11H OSM ORBITER 55 5FH 61H 11H SCPT FCCUS Select <t< td=""><td>39</td><td>DFH</td><td>8AH</td><td>01H</td><td>HD Select</td></t<>	39	DFH	8AH	01H	HD Select
42 DFH 07H 01H Multi (Split) Screen Select 43 1FH 26H 00H FREQUENCY Request 44 1FH 41H 00H Input MODE Request 45 1FH 45H 00H Input MODE Request 46 1FH 45H 00H VIDEO ADJ Request 46 1FH 6FH 00H Audio Select Request 47 1FH 3FH 00H Failure Mode Request 48 1FH 3FH 00H MoDEL NAME Request 49 DFH 80H 01H DSUB INPUT 50 DFH 0CH 01H LOW TONE 51 DFH 0CH 01H LOW TONE 52 DFH 13H 04H GAMMA Gain Data 53 1FH 88H 00H Running Sense 54 DFH 55H 01H Input Skip 55 5FH 61H 1H Input Skip					
43 1FH 26H 00H FREQUENCY Request 44 1FH 41H 00H Input MODE Request 45 1FH 45H 00H VIDEO ADJ Request 46 1FH 45H 00H VIDEO ADJ Request 46 1FH 6FH 00H Audio Select Request 47 1FH 3FH 00H Failure Mode Request 48 1FH 17H 00H MODEL NAME Request 49 DFH 8DH 01H D.SUB INPUT 50 DFH 0CH 01H LOW TONE 51 DFH 0DH 08H COLOR TUNE 52 DFH 13H 04H GAMMA Gain Data 53 1FH 88H 00H Running Sense 54 DFH 5FH 01H Input Skip 56 1FH 15H 00H SERIAL No. Request 57 DFH 89H 01H SUS2 Select					
44 1FH 41H 00H Input MODE Request 45 1FH 45H 00H VIDEO ADJ Request 46 1FH 6FH 00H Audio Select Request 47 1FH 3FH 00H Failure Mode Request 48 1FH 17H 00H MODEL NAME Request 49 DFH 8DH 01H D-SUB INPUT 50 DFH 0CH 01H LOW TONE 51 DFH 0CH 01H COLOR TUNE 52 DFH 13H 04H GAMMA Gain Data 53 1FH 88H 00H Running Sense 54 DFH 5FH 01H ONH SERIAL No. Request 57 DFH 89H 01H SI/S2 Select Select 56 DFH 65H 01H SUB.P DETECT Select 59 DFH 7BH 01H ZOOM NAV Select 59 DFH 7BH					
45 1FH 45H 00H VIDEO ADJ Request 46 1FH 6FH 00H Audio Select Request 47 1FH 3FH 00H Failure Mode Request 48 1FH 17H 00H MODEL NAME Request 49 DFH 8DH 01H D-SUB INPUT 50 DFH 0CH 01H LOW TONE 51 DFH 0CH 01H LOW TONE 52 DFH 13H 04H GAMMA Gain Data 53 1FH 88H 00H Running Sense 54 DFH 5FH 01H OSM ORBITER 55 5FH 61H 1H NoR Select 56 1FH 38H 00H SERIAL No. Request 57 DFH 89H 01H SUSP DETECT 60 DFH 7AH 01H SOFT FOCUS Select 59 DFH 7AH 01H AUSP DETECT 60					
46 1FH 6FH 00H Audio Select Request 47 1FH 3FH 00H Failure Mode Request 48 1FH 17H 00H MoDEL NAME Request 49 DFH 8DH 01H D-SUB INPUT 50 DFH 0CH 01H LOW TONE 51 DFH 0CH 01H LOW TONE 52 DFH 03H 0AH GAMMA Gain Data 53 1FH 88H 00H Running Sense 54 DFH 5FH 01H OSM ORBITER 55 5FH 61H 11H Input Skip 56 1FH 15H 00H SCIIA No. Request 57 DFH 89H 01H SUS2 Select 58 DFH 65H 01H SOFT FOCUS Select 59 DFH 7AH 01H SUOM NAV 61 DFH 7CH 01H PAUSE COMMAND 63 DFH					
47 1FH 3FH 00H Failure Mode Request 48 1FH 17H 00H MODEL NAME Request 49 DFH 8DH 01H D-SUB INPUT 50 DFH 0CH 01H LOW TONE 51 DFH 0DH 08H COLOR TUNE 52 DFH 13H 04H GAMMA Gain Data 53 1FH 88H 00H Running Sense 54 DFH 5FH 01H DSM ORBITER 55 5FH 61H 01H Input Skip 56 1FH 15H 00H SERIAL No. Request 57 DFH 89H 01H SUS PDETECT 58 DFH 65H 01H SOFT FOCUS Select 59 DFH 7AH 01H SUB PDETECT 60 DFH 7CH 01H PLOZOM NAV 61 DFH 7CH 01H PLOSE COMMAND 63 DFH <td></td> <td></td> <td></td> <td></td> <td></td>					
48 1FH 17H 00H MODEL NAME Request 49 DFH 8DH 01H D-SUB INPUT 50 DFH 0CH 01H LOW TONE 51 DFH 0DH 88H COLOR TUNE 52 DFH 13H 04H GAMMA Gain Data 53 1FH 88H 00H Running Sense 54 DFH 5FH 01H OSM ORBITER 55 5FH 61H 01H Input Skip 56 1FH 15H 00H SERIAL No. Request 57 DFH 89H 01H SI/S2 Select 58 DFH 65H 01H SUB.P DETECT 60 DFH 7BH 01H ZOOM NAV 61 DFH 7CH 01H PICTURE FREEZE 62 DFH 7DH 01H PAUSE COMMAND 63 DFH 37H 01H PAUSE COMMAND 63 DFH					
49 DFH 8DH 01H D-SUB INPUT 50 DFH 0CH 01H LOW TONE 51 DFH 0CH 01H LOW TONE 52 DFH 13H 04H GAMMA Gain Data 53 1FH 88H 00H Running Sense 54 DFH 5FH 01H OSM ORBITER 55 5FH 61H 01H SERIAL No. Request 57 DFH 89H 01H SCPT FOCUS Select 58 DFH 7AH 01H SUB P DETECT 60 DFH 7AH 01H ZOOM NAV 61 DFH 7CH 01H PICTURE FREEZE 62 DFH 7DH 01H PAUSE COMMAND 63 DFH 37H 01H OSM CONTRAST 64 DFH 37H 01H OSM CONTRAST 65 DFH 38H 02H PICTURE MEMORY 66 DFH					
50 DFH 0CH 01H LOW TONE 51 DFH 0DH 08H COLOR TUNE 52 DFH 13H 04H GAMMA Gain Data 53 1FH 88H 00H Running Sense 54 DFH 5FH 01H OSM ORBITER 55 SFH 61H 01H Input Skip 56 1FH 89H 01H StrS2 Select 58 DFH 65H 01H SOFT FOCUS Select 59 DFH 7AH 01H SUP DETECT 60 DFH 7CH 01H PLOTURE FREEZE 61 DFH 7CH 01H PLOTURE FREEZE 62 DFH 7DH 01H PAUSE COMMAND 63 DFH 8FH 01H BACK LEVEL 64 DFH 38H 02H PICTURE MEMORY 65 DFH 38H 02H PICTURE MEMORY NOTE 65 DFH					
51 DFH 0DH 08H COLOR TUNE 52 DFH 13H 04H GAMMA Gain Data 53 1FH 88H 00H Running Sense 54 DFH 5FH 01H OSM ORBITER 55 5FH 61H 01H Input Skip 56 1FH 15H 00H SERIAL No. Request 57 DFH 89H 01H ST/S2 Select 58 DFH 65H 01H SUS.P DETECT 60 DFH 7AH 01H ZOOM NAV 61 DFH 7CH 01H PICTURE FREEZE 62 DFH 7DH 01H PAUSE COMMAND 63 DFH 37H 01H DACK LEVEL 64 DFH 37H 01H OSM CONTRAST 65 DFH 38H 02H PICTURE MEMORY 66 DFH 2DH 0CH PICTURE MEMORY NOTE 67 DFH					
52 DFH 13H 04H GAMMA Gain Data 53 1FH 88H 00H Running Sense 54 DFH 5FH 01H OSM ORBITER 55 5FH 61H 01H Input Skip 56 1FH 15H 00H SERIAL No. Request 57 DFH 89H 01H S1/52 Select 58 DFH 65H 01H SUS-POETECT 60 DFH 7AH 01H ZOOM NAV 61 DFH 7CH 01H PICTURE FREEZE 62 DFH 7DH 01H PLACK LEVEL 63 DFH 8FH 01H BLACK LEVEL 64 DFH 37H 01H OSM CONTRAST 65 DFH 38H 02H PICTURE MEMORY 66 DFH 36H 01H SET UP LEVEL 68 DFH 36H 01H BACK GROUND					
53 1FH 88H 00H Running Sense 54 DFH 5FH 01H OSM ORBITER 55 5FH 61H 01H Input Skip 56 1FH 15H 00H SERIAL No. Request 57 DFH 89H 01H SI/S2 Select 58 DFH 65H 01H SOFT FOCUS Select 59 DFH 7AH 01H SUP DETECT 60 DFH 7RH 01H ZOOM NAV 61 DFH 7CH 01H PLOTURE FREEZE 62 DFH 7DH 01H PAUSE COMMAND 63 DFH 8FH 01H BLCK LEVEL 64 DFH 38H 02H PICTURE MEMORY 66 DFH 20H 0CH PICTURE MEMORY NOTE 67 DFH 36H 01H BACK GROUND					
54 DFH 5FH 01H OSM ORBITER 55 5FH 61H 01H Inpul Skip 56 1FH 15H 00H SERIAL No. Request 57 DFH 89H 01H SI/S2 Select 58 DFH 65H 01H SOFT FOCUS Select 59 DFH 7AH 01H SUB.P DETECT 60 DFH 7BH 01H ZOOM NAV 61 DFH 7CH 01H PLOTURE FREEZE 62 DFH 7DH 01H BLACK LEVEL 63 DFH 37H 01H DSM CONTRAST 64 DFH 38H 02H PICTURE MEMORY 65 DFH 38H 02H PICTURE MEMORY NOTE 65 DFH 38H 02H PICTURE MEMORY NOTE 66 DFH 36H 01H BACK GROUND					
55 5FH 61H 01H Input Skip 56 1FH 15H 00H SERIAL No. Request 57 DFH 89H 01H S1/S2 Select 58 DFH 65H 01H SOFT FOCUS Select 59 DFH 7AH 01H SUB-P DETECT 60 DFH 7BH 01H ZOOM NAV 61 DFH 7CH 01H PICTURE FREEZE 62 DFH 7DH 01H PICTURE FREEZE 63 DFH 8FH 01H BLACK LEVEL 64 DFH 37H 01H OSM CONTRAST 65 DFH 38H 02H PICTURE MEMORY 66 DFH 2DH 0CH PICTURE MEMORY NOTE 68 DFH 36H 01H BACK GROUND					
56 1FH 15H 00H SERIAL No. Request 57 DFH 89H 01H S1/52 Select 58 DFH 65H 01H SOFT FOCUS Select 59 DFH 7AH 01H SUB.P DETECT 60 DFH 7BH 01H ZOOM NAV 61 DFH 7CH 01H PICTURE FREEZE 62 DFH 7DH 01H PAUSE COMMAND 63 DFH 8FH 01H BLACK LEVEL 64 DFH 37H 01H OSM CONTRAST 65 DFH 38H 02H PICTURE MEMORY 66 DFH 2DH 0CH PICTURE MEMORY NOTE 67 DFH 36H 01H BACK GROUND					
57 DFH 89H 01H S1/S2 Select 58 DFH 65H 01H SOFT FOCUS Select 59 DFH 7AH 01H SUB.P DETECT 60 DFH 7AH 01H ZOOM NAV 61 DFH 7CH 01H PICTURE FREEZE 62 DFH 7CH 01H PAUSE COMMAND 63 DFH 8FH 01H BLACK LEVEL 64 DFH 37H 01H OSM CONTRAST 65 DFH 38H 02H PICTURE MEMORY 66 DFH 2DH 0CH PICTURE MEMORY NOTE 67 DFH 35H 01H BACK GROUND					
58 DFH 65H 01H SOFT FOCUS Select 59 DFH 7AH 01H SUB.P DETECT 60 DFH 7BH 01H ZOOM NAV 61 DFH 7CH 01H PICTURE FREEZE 62 DFH 7DH 01H PAUSE COMMAND 63 DFH 3FH 01H BLACK LEVEL 64 DFH 37H 01H OSM CONTRAST 65 DFH 38H 02H PICTURE MEMORY 66 DFH 2DH 0CH PICTURE MEMORY NOTE 67 DFH 36H 01H BACK GROUND					
59 DFH 7AH 01H SUB.P DETECT 60 DFH 7BH 01H ZOOM NAV 61 DFH 7CH 01H PICTURE FREEZE 62 DFH 7DH 01H PAUSE COMMAND 63 DFH 8FH 01H BLACK LEVEL 64 DFH 37H 01H OSM CONTRAST 65 DFH 38H 02H PICTURE MEMORY 66 DFH 2DH 0CH PICTURE MEMORY NOTE 67 DFH 36H 01H BACK GROUND	-				
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61 DFH 7CH 01H PICTURE FREEZE 62 DFH 7DH 01H PAUSE COMMAND 63 DFH 8FH 01H BLACK LEVEL 64 DFH 37H 01H OSM CONTRAST 65 DFH 38H 02H PICTURE MEMORY 66 DFH 2DH OCH PICTURE MEMORY NOTE 67 DFH 35H 01H SET UP LEVEL 68 DFH 36H 01H BACK GROUND					
62 DFH 7DH 01H PAUSE COMMAND 63 DFH 8FH 01H BLACK LEVEL 64 DFH 37H 01H OSM CONTRAST 65 DFH 38H 02H PICTURE MEMORY 66 DFH 2DH 0CH PICTURE MEMORY NOTE 67 DFH 35H 01H SET UP LEVEL 68 DFH 36H 01H BACK GROUND					
63 DFH 8FH 01H BLACK LEVEL 64 DFH 37H 01H OSM CONTRAST 65 DFH 38H 02H PICTURE MEMORY 66 DFH 2DH 0CH PICTURE MEMORY NOTE 67 DFH 35H 01H SET UP LEVEL 68 DFH 36H 01H BACK GROUND					
64 DFH 37H 01H OSM CONTRAST 65 DFH 38H 02H PICTURE MEMORY 66 DFH 2DH 0CH PICTURE MEMORY NOTE 67 DFH 35H 01H SET UP LEVEL 68 DFH 36H 01H BACK GROUND					
65 DFH 38H 02H PICTURE MEMORY 66 DFH 2DH 0CH PICTURE MEMORY NOTE 67 DFH 35H 01H SET UP LEVEL 68 DFH 36H 01H BACK GROUND					
66 DFH 2DH 0CH PICTURE MEMORY NOTE 67 DFH 35H 01H SET UP LEVEL 68 DFH 36H 01H BACK GROUND					
67 DFH 35H 01H SET UP LEVEL 68 DFH 36H 01H BACK GROUND					
68 DFH 36H 01H BACK GROUND					
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Specifications (Display Panels)

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	PRO-1410HD	PRO-1130HD	PRO-930HD	PRO-1010HD	PRO-810HD
Light Emission Panel	61 inch plasma display panel	50 inch plasma display panel	43 inch plasma display panel	50 inch plasma display panel	43 inch plasma display panel
Number of Pixels	1365 x 768	1280 x 768	1024 x 768	1280 x 768	1024 x 768
Power Supply	AC 120V, 60Hz	AC 120V, 60Hz	AC 120V, 60Hz	AC 120V, 60Hz	AC 120V, 60Hz
Standby Power Consumption	0.9W	0.2W	0.2W	0.6W	0.6W
Power Consumption	540W	355W	296W	-	_
External Dimensions (W x H x D)	59-1/8" x 35-7/8" x 4-15/16" (1502 x 912 x 126mm)	48-3/16" x 28-1/4" x 3-5/8" (1224 x 717 x 92mm)	42-3/8" x 24-29/32" x 3-5/8" (1076 x 632 x 92mm)	49-3/16" x 29-3/8" x 4-1/8" (1250 x 746 x 105mm)	43-3/8" x 26-1/16" x 4-1/8" (1102 x 662 x 105mm)
Weight	149 lbs. 10 oz. (68.0kg)	70.1 lbs (31.8kg)	56.9 lbs. (25.8kg)	107 lbs. 13 oz (49kg)	85lbs. 13 oz (39kg)

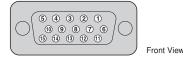
■ Media Receiver for PRO-1130HD and PRO-930HD

Reception	System (D	igital)		ATSC Digital TV System				
		Circuit T	уре	8VSB/64QAM/256QAM/QPSK demodulation				
		Tuner	VHF/UHF	VHF 2-13ch, UHF 14-69ch				
			CATV	2-135ch				
Audio Format				Dolby Digital				
Reception	Reception System (Analog)			American TV standard NTSC system				
		Circuit T	уре	Video signal detection PLL full synchronous detection,				
	Tuner VHF/UHF			PLL digital synthesizer system				
			VHF/UHF	VHF 2-13ch, UHF 14-69ch				
			CATV	ANTENNA/CABLE A IN: 1-135ch ANTENNA B IN: 1-125ch				
		Audio Multiplex		BTSC system				
Terminals	Rear	ANTENNA/CABLE A Input		75 ohms UNBAL, F type for DTV/VHF/UHF/CATV in				
		ANTENNA B Input		75 ohms UNBAL, F type for VHF/UHF/CATV in loop out				
		i.LINK (1	S)	S400 (2)				
		Input 1		Component Video input, S-Video input, Video input, Audio input, HDMI input*				
		Input 2		S-Video input, Video input, Audio input				
		Input 3		Component Video input, Audio input, HDMI input*				
		Monitor Out		Video output, Audio output				
		Digital Audio Output G-LINK		Optical (1) 1				
		CONTR	OL IN	1				
		CONTR	OL OUT	1				
		SUBWOOI	ER OUTPUT	Variable				
		Cable C	ARD	Point of deployment				
	Front	Input 4		Component Video input, S-Video input, Video input,				
				Audio input (Audio input is shared with PC input)				
		PC		Analog RGB input, Audio input				
OSD				English/French/Spanish				
Power Requirement				120V AC, 60Hz, 37W (26W during standby mode)				
Dimensions (W x H X D)				16-9/16" x 3-9/16" x 11-13/16" (420 x 90 x 299mm)				
Weight				9.9 lbs. (4.5kg)				

Supports HDMI 1.1 and HDCP 1.1. HDCP (High-bandwidth Digital Copyrighted digital contents that use the Digital Visual Interface (DVI).

■ SIGNAL ASSIGNMENT OF INPUT 1 (Mini D-sub 15 pin socket connector) (PRO-1410HD/PRO-1010HD/PRO-810HD)

Pin No.	PRO-1410HD	PRO-1010HD/PRO-810HD			
1	Red	Red			
2	Green or sync-on-green	Green			
3	Blue	Blue			
4	No connection	No connection			
5	Ground	Ground			
6	Red ground	Ground			
7	Green ground	Ground			
8	Blue ground	Ground			
9	No connection	DDC +5V			
10	Sync signal ground	Ground			
11	No connection	No connection			
12	Bi-directional DATA (SDA)	DDC SDA			
13	Horizontal sync or Composite sync	HD or H/V sync			
14	Vertical sync	VD			
15	Data clock	DDC SCL			



Signal Assignment of PC Input

(Mini D-sub 15 pin socket connector) (PRO-1130HD/PRO-930HD)

Pin No.	Input	Pin No.	Input
1	R	9	+5V
2	G	10	Ground
3	В	11	No connection
4	No connection	12	SDA
5	No connection	13	HD
6	Ground	14	VD
7	Ground	15	SCL
8	Ground		

DTV Set Top Box Connection (PRO-1010HD/PRO-810HD)

Type of	Video Signal	Video Signal	Jacks where connection is possible								
Video Signal		Format	INPUT 1 (D-sub)	INPUT 1 (HDMI)	INPUT 2	INPUT 3	INPUT 4	INPUT 5			
HDTV	1080i (1125i)	Component									
	720p (750p)	RGB									
		Digital									
SDTV	480i (525i)	Composite									
		S-Video									
		Component									
		RGB									
		Digital									
	480p (525p)	Component									
		RGB									
		Digital									

PC Signal Compatibility Table (PRO-1130HD/PRO-930HD)

Resolution	Frequency					
720 x 400	70Hz					
640 x 480	60Hz					
	72Hz					
	75Hz					
800 x 600	56Hz					
	60Hz					
	72Hz					
	75Hz					
1024 x 768	60Hz					
	70Hz					
	75Hz					
1280 x 768	56Hz					
	60Hz					
	70Hz					

PC Signal Compatibility Table — Input 1 (D-sub) and Input 5 (PRO-1010HD/PRO-810HD)

() applies to the PRO-810HD where specs differ from the PRO-1010HD.

Resolution	Refre	sh rate	Scr	Remarks		
(dot x line)	Vertical	Horizontal	Dot by dot	4:3	Full	
640 x 400	56.4Hz	24.8kHz			†1280 (1024) x 768	NEC PC-9800
720 x 400	70.1Hz	31.5kHz				NEC PC-9800
	85.1Hz	37.9kHz				
640 x 480	60Hz	31.5kHz	*640 x 480	†1024 (768) x 768		
	66.7Hz	35.0kHz				Apple Macintosh 13
	72.8Hz	37.9kHz				
	75Hz	37.5kHz				
	85Hz	43.3kHz	1			
848 x 480	60Hz	31.0kHz	*848 x 480			
800 x 600	56Hz	35.2kHz	*800 x 600	†1024 x 768 ¹⁾		
	60Hz	37.9kHz		**768 x 768 ²⁾		1072 x 600
	72Hz	48.1kHz				
	75Hz	46.9kHz				
	85Hz	53.7kHz				
832 x 624	74.6Hz	49.7kHz	*832 x 624	1		Apple Macintosh 16
1024 x 768	60Hz	48.4kHz	*1024 x 768	**768 x 768 ²⁾	†1280 x 768 ¹⁾	1376 x 768
	70Hz	56.5kHz				
	75Hz	60.0kHz	1] apply to Apple
	[74.9Hz]	[60.2kHz]				Macintosh 19"
	85Hz	68.7kHz				
1280 x 720	60Hz	44.7kHz	*1280 x 720 ¹⁾		†1280 x 768 ¹⁾	
					**1024 x 768 ²⁾	
1280 x 768	56Hz	45.1kHz	*1280 x 768 ¹⁾		**1024 x 768 ²⁾	
	60Hz	47.8kHz	1			
	70Hz	56.1kHz	1			

** Simple reproduction. Fine detail will not be reproduced. † Picture will be enlarged, and some fine detail will be hard to see. 1) Available with the PRO-1010HD only. 2) Available with the PRO-810HD only.

PC Signal Compatibility Table (PRO-1410HD)

Supported resolution

When the screen size is 4:3, each signal is converted to a 1024 dots x 768 lines signal. (Except for *2, *3, *4) When the screen size is D BY D, the picture is displayed in the original resolution. When the screen size is FULL, each signal is converted to a 1365 dots x 768 lines signal. (Except for *3)

Model	Dots x Lines	Vertical	Horizontal	-	Polarity	Pres			Screen Size		RGB Select*5	Memory
Signal Type		Frequency (Hz)	Frequency (Hz)	Horizontal	Vertical	Horizontal	Vertical	4:3	D BY D	FULL (16:9)		
	640 x 400	70.1	31.5	NEG	NEG	YES	YES	YES*2	-	YES	-	4
	640 x 480	59.9	31.5	NEG	NEG	YES	YES	YES	-	YES	STILL	5
		72.8	37.9	NEG	NEG	YES	YES	YES	-	YES	-	7
		75.0	37.5	NEG	NEG	YES	YES	YES	-	YES	STILL	8
		85.0	43.3	NEG	NEG	YES	YES	YES	-	YES	-	9
		100.4	51.1	NEG	NEG	YES	YES	YES	-	YES	-	41
		120.4	61.3	NEG	NEG	YES	YES	YES	-	YES	-	42
	848 x 480	60.0	31.0	POS	POS	YES	YES	-	-	YES	WIDE2	19
	852 x 480*1	60.0	31.7	NEG	NEG	YES	YES	-	-	YES	WIDE1	17
	800 x 600	56.3	35.2	POS	POS	YES	YES	YES	-	YES	STILL	11
		60.3	37.9	POS	POS	YES	YES	YES	-	YES	STILL	12
		72.2	48.1	POS	POS	YES	YES	YES	-	YES	-	13
		75.0	46.9	POS	POS	YES	YES	YES	-	YES	-	14
		85.1	53.7	POS	POS	YES	YES	YES	-	YES	-	15
		99.8	63.0	POS	POS	YES	YES	YES	-	YES	-	43
		120.0	75.7	POS	POS	YES	YES	YES	-	YES	-	44
-	1024 x 768	60.0	48.4	NEG	NEG	YES	YES	YES*3	-	YES	STILL	24
		70.1	56.5	NEG	NEG	YES	YES	YES* ³	-	YES	_	25
		75.0	60.0	POS	POS	YES	YES	YES*3	-	YES	STILL	26
		85.0	68.7	POS	POS	YES	YES	YES*3	-	YES	-	20
IBM PC/AT*8		100.6	80.5	NEG	NEG	YES	YES	YES*3	_	YES		45
compatible computers	1152 x 864	75.0	67.5	POS	POS	YES	YES	YES	-	YES	STILL	51
compatible computers	1280 x 768	56.2	45.1	NEG	NEG	YES	YES	TES	YES	YES	WIDE1	52
	1200 X 700							-				
		59.8	48.0	NEG	POS	YES	YES	-	YES	YES	WIDE4	23
		69.8*9	56.0*9	NEG	POS	YES	YES	-	YES	YES	WIDE1	66
	1280 x 800*9	60.0	49.7	NEG	NEG	YES	YES	-	-	YES	WIDE1	21
	1280 x 854*9	60.0	53.1	NEG	NEG	YES	YES	-	-	YES	WIDE2	37
	1360 x 765	60.0	47.7	POS	POS	YES	YES	-	-	YES*3	WIDE1	22
	1360 x 768	60.0	47.7	POS	POS	YES	YES	-	-	YES*3	WIDE1	22
	1376 x 768	59.9	48.3	NEG	POS	YES	YES	-	-	YES	WIDE2	53
	1280 x 1024	60.0	64.0	POS	POS	YES	YES	YES*4	-	YES	STILL	29
		75.0	80.0	POS	POS	YES	YES	YES*4	-	YES	-	30
		85.0	91.1	POS	POS	YES	YES	YES*4	-	YES	-	40
		100.1	108.5	POS	POS	YES	YES	YES*4	-	YES	-	47
	1680 x 1050*9	60.0	65.3	NEG	NEG	YES	YES	-	-	YES	WIDE4	38
	1600 x 1200	60.0	75.0	POS	POS	YES	YES	YES	-	YES	-	54
		65.0	81.3	POS	POS	YES	YES	YES	-	YES	-	55
		70.0	87.5	POS	POS	YES	YES	YES	-	YES	-	56
		75.0	93.8	POS	POS	YES	YES	YES	-	YES	-	57
		85.0	106.3	POS	POS	YES	YES	YES	-	YES	-	58
	1920 x 1200*9	60.0	74.6	NEG	NEG	YES	YES	-	-	YES	WIDE2	81
	1920 x 1200RB*9	60.0	74.0	NEG	NEG	YES	YES	-	-	YES	WIDE3	88
	640 x 480	66.7	35.0	Sync on G	Sync on G	-	-	YES	-	YES		6
	832 x 624	74.6	49.7	Sync on G	Sync on G	-	-	YES	-	YES	-	16
Apple	1024 x 768	74.9	60.2	Sync on G	Sync on G		-	YES*3	-	YES	WIDE1	28
Macintosh*6*8	1152 x 870	75.1	68.7	Sync on G	Sync on G	-	-	YES	-	YES	WIDE1	39
-	1440 x 900*9	60.0	56.0	NEG	NEG	YES	YES	-	-	YES		89
Work Station	1280 x 1024	60.0	64.6	NEG	NEG	YES	YES	YES*4	-	YES		29
(EWS4800)*8	1200 x 1024	71.2	75.1	NEG	NEG	YES	YES	YES*4	-	YES	-	48
Work Station (HP)*8	1280 x 1024	71.2	75.1	NEG -	-	-	-	YES*4	-	YES	-	48 59
						-	-	_	-		-	59 60
Work Station (SUN)*8	1152 x 900	66.0	61.8	C Sync	C Sync			YES		YES		
		76.0	71.7	C Sync	C Sync	-	-	YES	-	YES	-	61
	1280 x 1024	76.1	81.1	C Sync	C Sync	-	-	YES*4	-	YES	-	30
Work Station (SGI)	1024 x 768	60.0	49.7	-	-	-	-	YES*3	-	YES	-	62
	1280 x 1024	60.0	63.9	-	-	-	-	YES*4	-	YES	-	29
IDC-3000G												
NTSC525P	640 x 480	59.9	31.5	NEG	NEG	YES	YES	YES*7	-	YES*7	MOTION	32

11 Only when using a graphic accelerator board that is capable of displaying 852 x 480.
12 This signal is converted to a 1024 dots x 640 lines signal.
13 The picture is displayed in the original resolution.
14 The aspect ratio is 57. This signal is converted to a 960 dots x 768 lines signal.
15 Normally the RGB select mode suitable for the input signals is set automatically. If the picture is not displayed properly, set the RGB mode prepared for the input signals listed in the table above.
16 To connect the monitor to Macintosh computer, use the monitor adapter (D-Sub 15-pin) to your computer's video port.
17 Other screen modes (ZOOM and WIDE) are available as well.
18 When viewing a moving picture at a vertical frequency greater than 65Hz, the picture may sometimes be unstable (jumpy). If this occurs, please set the refresh rate of the external equipment to 60Hz. To view 480(@60Hz (480 interfaced lines, 60Hz refresh rate) when sync polarity is "Sync on Green", set "RGB SELECT" to "MOTION".
19 CVT standard compliant.

NOTE:

NOTE: • While the input signals comply with the resolution listed in the table above, you may have to adjust the position and size of the picture or the fine picture because of errors in synchronization of your computer. • When a 1280 dots x 1024 lines signal or 1600 dots x 1200 lines signal is input to the monifor, the picture will be compressed. • This monifor has a resolution of 1365 dots x 788 lines. It is recommended that the input signal should be XGA, or equivalent. • With digital input some signals are not accepted. • The sync may be disturbed when a nonstandard signal other than the aforementioned is input. • If you are connecting a composite sync signal, use the HD terminal. • "IBM PC/NT" and "XGA" are registered trademarks of International Business Machines, Inc. of the United States. • "Apple Macintosh" is a registered trademark of Apple Computer, Inc. of the United States.

■ INPUT TERMINALS (PRO-1410HD)

PC	
Visual 1 (Analog)	Mini D-sub 15 pin x 1
Visual 2 (Analog)	BNC (R, G, B, H/CS, V) x 1 ⁻²
Video	
Visual 1	BNC x 1
Visual 2	RCA-pin x 1
Visual 3	S-Video: DIN 4-pin x 1
COMPONENT	
Visual 1	RCA-pin (Ү, Рв [Св], Рв [Св]) х 1 ⁻¹
Visual 2	BNC (Y, P _B [C _B], P _R [C _R]) x 1 ⁻¹⁺²
HDMI	HDMI Connector ³
Audio	Stereo RCA x 3 (Selectable)
RS-232C	D-Sub 9-pin x 1

*1 COMPONENT input signals supported on this system include: 480p (60Hz), 480i (60Hz), 525p (60Hz), 525i (60Hz), 720p (60Hz), 1035i (60Hz), and 1080i (60Hz).

*2 The 5-BNC connectors are used as PC2 and COMPONENT2 input. Select one of them under "BNC INPUT". *3 HDMI input signals supported on this system

Supported Signals • 640 x 480P @ 59.94/60Hz

• 1280 x 720P @ 59.94/60Hz • 1920 x 1080I @ 59.94/60Hz

• 720 x 480P @ 59.94/60Hz • 1440 (720) x 480I @ 59.94/60Hz

Note: In some cases a signal on the plasma monitor may not be displayed properly. The problem may be an inconsistency with standards from the source equipment (DVD, Set-top box, etc...). If you do experience such a problem please contact your dealer and also the manufacturer of the source equipment.

■ In/Outputs (PRO-1010HD/PRO-810HD)

Video						
INPUT 1						
Input	Mini D-sub 15 pin (Socket connector)					
	(1) RGB signal (G on Sync compatible)					
	RGB: 0.7Vp-p/75 ohms/no sync.					
	HD/VS, VD: TTL level/positive and negative polarity/2.2k ohms					
	G on Sync: 1Vp-p/75 ohms/negative sync					
	*Compatible with Microsoft's Plug and Play (VESA DDC1/2B)					
	(2) Component video signal					
	Y: 1Vp-p/75 ohms/negative sync					
	CB/PB, CR/PR: 0.7Vp-p (color 10%)/75 ohms					
	HDMI					
	*Digital Signal					
	3.3V T.M.D.S. /50 ohms					
INPUT 2						
Input	HDMI					
	*Digital Signal					
	3.3V T.M.D.S. /50 ohms					
INPUT 3						
Input	S jack (Mini DIN 4 pin)					
mpat	*Y/C separate video signal					
	Y: 1Vp-p/75 ohms/negative sync					
	C: 0.286Vp-p/75 ohms (NTSC)					
INPUT 4	DNO 1					
Input	BNC jack					
	*Composite video signal (NTSC)					
	1Vp-p/75 ohms/negative sync					
Output	BNC jack					
	75 ohms/with buffer					
INPUT 5						
Input	BNC jack (x5)					
	(1) RGB signal (G on Sync compatible)					
	RGB: 0.7Vp-p/75 ohms/no sync.					
	HD/VS, VD: TTL level/positive and negative polarity/2.2k ohms					
	G on Sync: 1Vp-p/75 ohms/negative sync					
	(2) Component video signal					
	Y: 1Vp-p/75 ohms/negative sync					
	CB/PB, CR/PR: 0.7Vp-p (color 10%)/75 ohms					
Audio						
Input	AUDIO INPUT (for INPUT 1)					
input						
	Pin jack (x 2)					
	L/R: 500mVrms/more than 10k ohms					
	AUDIO INPUT (for INPUT 2)					
	Pin jack (x 2)					
	L/R: 500mVrms/more than 10k ohms					
	AUDIO INPUT (for INPUT 3/4)					
	Pin jack (x 2)					
	L/R: 500mVrms/more than 10k ohms					
	AUDIO INPUT (for INPUT 5)					
	Pin jack (x 2)					
	L/R: 500mVrms/more than 10k ohms					
Output	SPEAKER					
Juipui	L/R: 8-16 ohms/7W + 7W (at 8 ohms)					
Controls						
Controis	RS 020C: D cub 0 pin (Bin connector)					
	RS-232C: D-sub 9 pin (Pin connector)					
	CONTROL OUT: 4 pole mini jack					

■ Video Signal Compatibility Chart — Input 1 (D-sub) and Input 5 (PRO-1010HD/PRO-810HD)

Refresh rate		Signal format		ş	Remarks			
Vertical	Horizontal		4:3	FULL	ZOOM	CINEMA	WIDE	
FV (Hz)	FV (kHz)							
60	15.734	Component						480i (525i)/SDTV
(59.94)		RGB						
	31.5	Component						480p (525p)/SDTV
		RGB						
	33.75	Component						1080i (1125i)/HDTV
		RGB						
	45	Component						720p (750p)/HDTV
		RGB						

■ Video Signal Compatibility Chart — Input 1 (HDMI) and Input 2 (PRO-1010HD/PRO-810HD)

Martinel EV (Up)	Assess Datis		5	Demailie			
Vertical FV (Hz)	Aspect Ratio	4:3	FULL	ZOOM	CINEMA	WIDE	Remarks
60	720 x 480i						480i (525i)/SDTV
(59.94)	720 x 480p						480p (525p)/SDTV
	1280 x 720p						720p (750p)/HDTV
	1920 x 1080i						1080i (1125i)/HDT

Accessories (PRO-1010HD/PRO-810HD)

Power cord x 1	
Remote control unit x 1	
AA (R6) battery x 2	
Cleaning cloth x 1	
Speed clamp x 2	
Bead band x 2	
Warranty x 1	
Operating instructions x 1	
^t Design and specifications are subject to change for improvements without notice.	

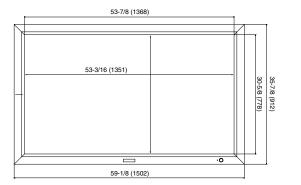
Accessories (PRO-1130HD/PRO-930HD)

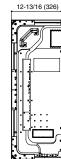
Plasma Display	Power cord x 1				
	Cleaning cloth x 1				
	Speed clamp x 3				
	Bead band x 3				
	Warranty x 1				
Media Receiver	Power cord x 1				
	Remote control unit x 1				
	System cable x 1				
	AA (R6) battery x 2				
	G-LINK cable x 1				
	Operating instructions x 1				

* Design and specifications are subject to change for improvements without notice.

DIMENSIONS Unit: inch (mm)

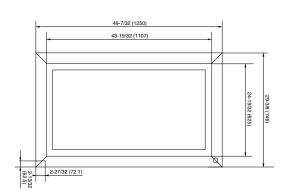
PRO-1410HD

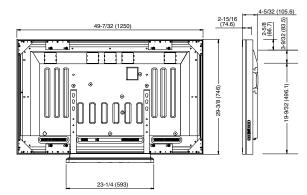


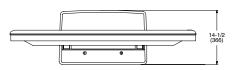


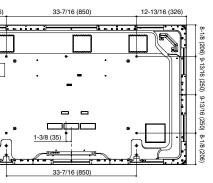
PRO-1010HD





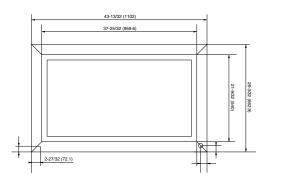


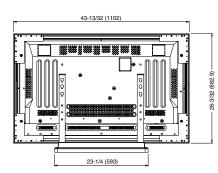


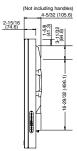


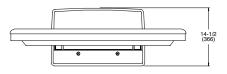


PRO-810HD





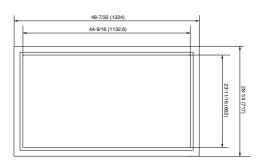




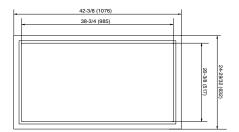
■ DIMENSIONS

Unit: inch (mm)

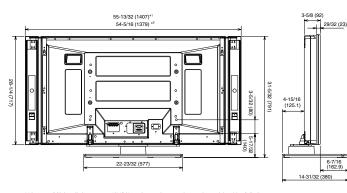
PRO-1130HD



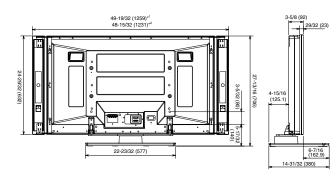
PRO-930HD



With PDP-S36 Speaker System (Optional)



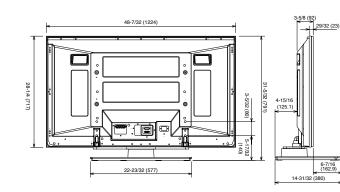
*1 In case of Air installation: approx. 9/16" (15mm) space between the speaker and the side of display *2 In case of Flush installation: no space between the speaker and the display



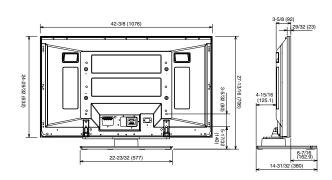
*1 In case of Air installation: approx. 9/16" (15mm) space between the speaker and the side of display *2 In case of Flush installation: no space between the speaker and the display

With PDP-S35 Speaker System (Optional)

Without Speakers



Without Speakers



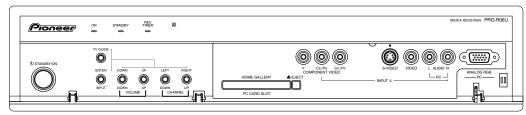
DIMENSIONS

Unit: inch (mm)

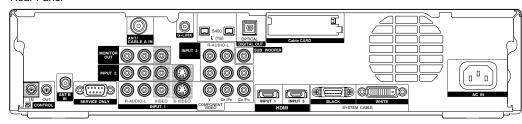
PRO-R06U (Media Receiver for PRO-1130HD and PRO-930HD)

			16-9/16 (420)
Pioneer	ON B	REC TIMER	
() STANDBYON			 ELITE

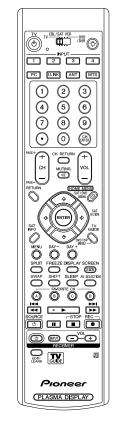
With the Front Cover Open

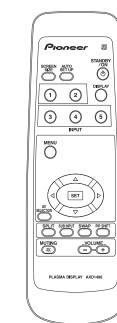


Rear Panel



■ REMOTE CONTROLS





PRO-1130HD/PRO-930HD

PRO-1010HD/PRO-810HD

