

DWIN

Plasmaimage™ HD-Series

Digital Home Theater Systems



DWIN's Plasmaimage™ HD-200 series offer exceptional color reproduction, lifelike motion-picture performance and a unique, two component architecture to provide seamless integration of all video sources for the ultimate home theater.

Featuring the latest advancements in PDP technology, the Plasmaimage™ HD-200 series is available in two display sizes (50-inch and 42-inch) with high definition native resolution and screen format.

Like all DWIN display systems, the Plasmaimage™ HD-200 series incorporates two complementary components: a high definition plasma display and an outboard video processor/controller.

The processor delivers uncompressed, native resolution digital video signals to the display via a single, high-bandwidth DVI cable. This unique two-component design provides complete digital connectivity and cost effective, easy installation.

The processor is virtually future-proof, accepting 10 digital or analog video inputs including six HD sources: two DVI/HDCP, two RGB, two S-video, two component and two composite.

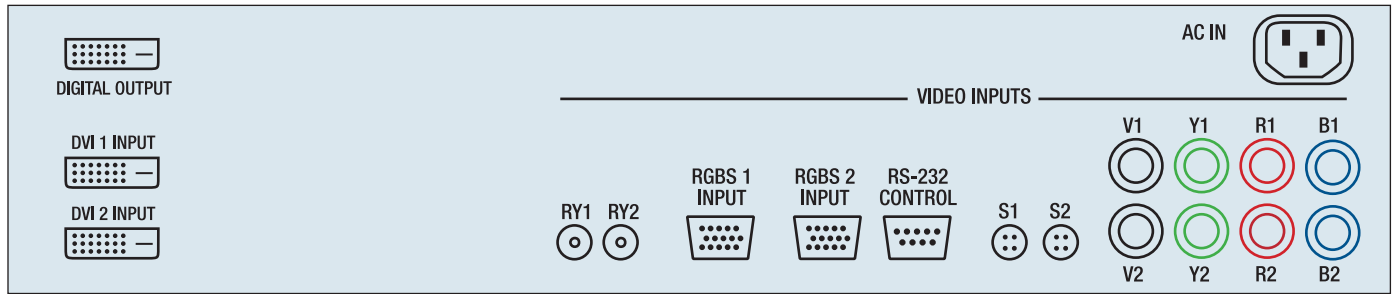
Exceptional movie theater realism is provided with DWIN's acclaimed video signal processing. High contrast and excellent shadow detail are achieved with deep black digital bit drive, precision gray scale settings and display gamma selection. Image motion artifacts are reduced with Adaptive Film Mode processing while picture depth and dimensionality are increased with Dynamic Luminance Drive™ and signal Dynamic Range Expansion.

Plasmaimage™ HD-200 series also features DWIN's exclusive Motion Adaptive™ Screen Saver to help prevent phosphor burn from static images.

FEATURES

- Model HD-242: 42" Diagonal Screen Size with 1024 X 768 Native Resolution
- Model HD-250: 50" Diagonal Screen Size with 1366 X 768 Native Resolution
- Anti-Glare Screen Coating with 160° viewing angle
- Dynamic Luminance Drive™ to optimize luminance and contrast in real-time
- Motion Adaptive™ Screen Saver to prevent phosphor burn
- HDTV/ DTV/ NTSC/ PAL compatible
- 5 different Aspect Ratio Controls for DVD, HD and Computer Sources
- Custom Aspect Ratio settings for 4:3 and 2.35:1 recorded video sources
- Adaptive Film Mode processing (3:2/2/2 pull-down) for film originated sources
- Automatic Image Set-up and Scaling determines input video signal type and controls image and scaling parameters
- Complete Video Controls for all video sources, including DVI
- Enhanced Black Levels, color temperature and Gamma selections
- Video Source Memories for custom setup and automatic recall
- 10 Video Inputs: 2 DVI (HDCP), 2 RGB, 2 S-Video, 2 Component, and 2 Composite
- 8 Device pre-programmed/Learning IR/RF Remote Control with back-lit key-pad
- RS-232 port and control software
- Two 12 programmable outputs
- Home theater menus

HD-200 Series Processor Rear Panel



Plasma Display Specifications

Model Number	HD-242	HD-250
Diagonal Screen Size	42"	50"
Native Resolution	1024 x 768	1366 x 768
Viewing Angle	160° Vertical & Horizontal	
Audio Amplifier	10W x 2 Output Power	
INPUTS*		
Digital	DVI-D	
AC Power	3 Prong Receptacle	
Power Source	120V AC, 50/60 Hz	
Power Consumption	350 W	480 W
Dimensions	42.5 x 26.62 x 3.75 in	49.62 x 30 x 4.25 in
Weight	80 lbs	106 lbs
Cabinet Color	Dark Grey	

Operating Conditions

Temperature	50° - 90° F / 10° - 32° C
Altitude	0 - 6,200 Feet

Included Accessories

- Power Cable
- 8 Device Preprogrammed/Learning IR/RF Remote Control with Back-lit Key-pad
- User's Manual
- Table Top Stand

Optional Accessories

- Fixed 0 or 5 Degree Wall Mount
- Adjustable 15 Degree Wall Mount
- 19 inch Rack-Mount Kit for Video Processor
- Proprietary DVI Cables 25, 35 and 50 Foot Lengths
- 2 Foot DVI-D Adapter

Video Processor Specifications

Video Systems	HDTV / DTV / NTSC / PAL
Scanning Formats	480i, 480p, 540p, 580i, 580p, 720p, 1080i
PC Signals	VGA / SVGA / XGA / SXGA
INPUTS	
DVI	2 x DVI-D with HDCP
Component	2 x RCA, Y: 1 Vp-p / 75 ohm Pb Pr: 0.7 Vp-p / 75 ohm
S-Video	2 x 4 pin Mini-Din Y: 1 Vp-p / 75 ohm C: 0.286 Vp-p / 75 ohm
Composite	2 x RCA: 1 Vp-p / 75 ohm RGB/PC 2 x HD-15 Pin
RS-232 Serial	1x D-9 Pin, RS-232 Compatible
AC Power	3 Prong Receptacle
OUTPUTS	
DVI	1 x DVI-D with HDCP
12V Triggers	2 x 2.5mm DC Plug
Power Source	100-130 VAC
Power Consumption	25 Watts
Dimensions WxDxH	17 x 12.75 x 3.5 inch
Weight	18 lbs
Cabinet Color	Black

* Please note that all other (non-DVI) inputs on the display are inactive. Make all video source connections to the digital video Processor only.

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