



PlasmalImage™ HD-Series

Digital Home Theater Systems



DWIN's PlasmalImage™ systems offer exceptional color reproduction, lifelike motion-picture performance and a unique, two-component design that seamlessly integrates all video sources for sensible control of high definition digital home theater.

Available in three display sizes with native high-definition resolution, PlasmalImage™ HD-series systems provide stunning, film-like picture quality. For improved color fidelity, contrast and brightness, each of the three color cells (RGB) that comprise a plasma pixel have individual color filters encapsulated within the glass substrate. Black stripes are also embedded between each pixel to absorb ambient light, enhancing black levels and reducing screen glare.

For superior color reproduction, HD-series plasma panels have 10-bit per color processing capable of displaying more than one billion color shades.

Like all DWIN systems, the PlasmalImage™ HD-series incorporates two complementary components: a native resolution high-

definition plasma display and an outboard processor/controller. 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 achieved with DWIN's acclaimed video signal processing. Deep black levels and natural color reproduction are secured with precision gray scale settings and gamma selections. Motion artifacts are reduced with Adaptive Film Mode processing and picture depth is increased with Signal Dynamic Range Expansion.

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

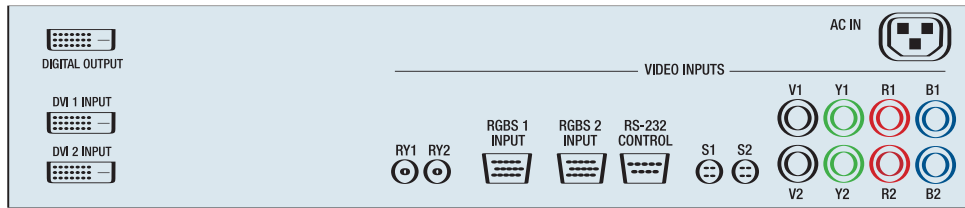
To help prevent phosphor burn from static images, DWIN's exclusive Motion Adaptive™ Screen Saver circuit automatically engages after sensing a non-moving picture.

FEATURES

- Scales to Match the Native Resolution for DWIN's DLP Projectors and Plasma Displays
- Available in three sizes, 50 and 61-inch diagonal with 1365 x 768 native resolution and 42-inch with 1024 x 768 native resolution
- Individually filtered color cells within each pixel to enhance contrast, brightness and picture fidelity
- Anti-Glare Screen Coating with 160° Viewing Angle
- Motion Adaptive™ Screen Saver to prevent phosphor burn.
- HDTV/ DTV/ NTSC/ PAL Compatible
- Aspect Ratio Control for DVD and HD Sources
- Custom aspect ratio setting for 4:3 and 2.35:1 recorded video sources.
- Adaptive Film Mode Processing (3:2/2:2 Pull-down) to minimize motion artifacts
- Automatic Image Setup and Scaling Determines Input Video Signal Type and Controls Image and Scaling Parameters
- Complete Video Controls for All Video Sources, Including DVI
- Enhanced Black Level and Gamma Selection
- Home Theater Menus
- 20 Video Source Memories for Custom Setup and Automatic Recall



HD-Series Processor Rear Panel



PLASMA DISPLAY SPECIFICATIONS

Model Number	HD-142	HD-150	HD-161
Diagonal Screen Size	42"	50"	61"
Native Resolution	1024 x 768	1365 x 768	1365 x 768
Viewing Angle	160° Vertical & Horizontal		
Audio Amplifier	10W x 2 Output Power		
INPUTS*	DVI	DVI-D / HDCP	
	AC Power	3 Prong Receptacle	
Power Source	120V AC, 50/60 Hz		
Power Consumption	350 W	480 W	540 Watts
Dimensions WxHxD	40.1 x 24.0 x 3.5 in	48.1 x 29.0 x 3.8 in	57.9 x 34.6 x 4.7 in
Weight	65 lbs	96.4 lbs	134.2 lbs
Cabinet Color	Silver		
Operating Conditions	Temperature	50° - 90° F / 10° - 32° C	
	Altitude	0 - 9,000 Feet	

INCLUDED ACCESSORIES

- Power Cable
- 8 Device Preprogrammed Back-lit Remote
- User's Manual

OPTIONAL ACCESSORIES

- Fixed 5 Degree Tilt Wall Mount
- Adjustable 15 Degree Tilt Wall Mount
- 19 inch Rack-Mount Kit for Video Processor
- Proprietary DVI Cables 25, 30, 35, 40, 45, and 50 Foot Lengths
- 2 Foot DVI-D Adapter

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

VIDEO PROCESSOR SPECIFICATIONS

Video Standards	HDTV / DTV / NTSC / PAL	
Scanning Formats	480i, 480p, 540p, 580i, 580p, 720p, 1080i	
PC Signals	VGA / SVGA / XGA / SXGA	
INPUTS	DVI (HDCP)	2 x DVI D
	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	
Serial	D-9 Pin, RS-232 Compatible	
AC Power	3 Prong Receptacle	
OUTPUTS	DVI	1 x DVI D
	12V Triggers	2 x Mini Plug
Power Source	100-130 VAC, 50/60 Hz	
Power Consumption	25 Watts	
Dimensions WxDxH	17 x 12.75 x 3.5 inch	
Weight	18 lbs	

Specifications are subject to change without notice. DuoVision™, TransVision™, TranScanner™, Plasmalimage™ and Variable Line Multiplier™ are trademarks of DWIN Electronics, Inc. Other trademarks are the property of their respective owners and their use does not imply any endorsement.

DWIN Electronics, Inc. 710 North Mariposa Street, Burbank, CA 91506

Tel: (818)239-1500, Fax:(818)239-1506, E-mail:info@dwin.com

www.dwin.com