

PLASMAWALL™ PORTFOLIO

*PL-43DHD, PL-50DHD,
PL-50XA, PL-61DHD*

PLASMA DISPLAY MONITORS



RUNCO
THE WORLD'S FINEST
HOME THEATER PRODUCTS™



PL-50DHD



The PlasmaWall Series includes Runco's acclaimed Vivix^{II}™ digital video processing. This superior technology includes 3D scan conversion with motion compensation and 3:2 pulldown for excellent video performance with both video-based and film-based material.

Widevision™

All PlasmaWall Series models offer Runco's WideVision™ 16:9 native widescreen aspect ratio, provided by state-of-the-art Plasma display panels. Runco's discrete aspect ratio control includes the VirtualWide™

mode to fill the 16:9 screen with standard 4:3 images without loss of picture quality, eliminating annoying black stripes and displaying any source material in full, widescreen glory.



The PlasmaWall Series products incorporate the Imaging Science Foundation's "ISF 3c"™ (Certified Calibration Configuration) setup and calibration standards in the display's GUI menus to facilitate picture quality conforming to the highest standards in the industry.

PLASMAWALL™ PORTFOLIO HIGH DEFINITION PLASMA DISPLAYS

Runco's PlasmaWall™ portfolio of high definition, flat panel plasma display monitors, consists of four models offering the finest plasma picture quality available. All four models include Runco's award-winning, all digital DHD controller/processor.

The PL-43DHD and PL-50DHD are high definition displays in 43-inch and 50-inch screen sizes, respectively. The Imaging Science Foundation's ISF 3c™ setup and calibration standards are incorporated into these and every PlasmaWall to help your custom installation specialist achieve the industry's highest standards in picture quality. Runco's discrete multiple aspect ratio control includes VirtualWide™ to fill the 16:9 widescreen with standard 4:3 images at the touch of a button. At less than 4½ inches thin, wall mounting is an attractive option.

The 50-inch PL-50XAs high definition performance is bolstered by high altitude capability to 9000 feet, offering Runco picture quality in mountain locations usually off limits to plasma displays. Like all PlasmaWall monitors, its DHD controller/processor provides two digital video inputs with HDCP compatibility, multiple aspect ratio control with VirtualWide™ and an RS-232 interface for home automation system control versatility.

At the top of the PlasmaWall product series is the PL-61DHD. This 61-inch model will be right at home in viewing environments where the largest flat panel screen sizes are required. With plenty of brightness for any lighting situation the PL-61DHD is often chosen as the centerpiece for many types home theater systems and viewing environments. The PL-61DHD is the largest high altitude capable plasma available today.

All four models in the PlasmaWall portfolio are available with an optional table top stand or wall mount for maximum placement versatility.



RUNCO DHD VIDEO CONTROLLER

The PlasmaWall portfolio's included DHD controller/processor is engineered with advanced, Vivix II™ digital video processing to produce stunning video imagery, even elevating standard NTSC material to near high definition levels.

The DHD provides for a pure digital signal path from input to output and resides outboard of the plasma display chassis. This simplifies installation by placing the DHD and its associated input connections in the equipment rack. Only one digital signal cable is then required to the plasma monitor. PlasmaWall systems can also take full advantage of Runco's exclusive LiveLink™ digital cable solution to preserve HD signal quality and bandwidth over much longer runs than conventional digital signal cables.

Specifications	PL-43DHD	PL-50DHD	PL-50XA	PL-61DHD
Native Resolution:	1024 x 768	1280 x 768	1366 x 768	1366 x 768
Screen Size:	43 in. (diagonal)	50 in. (diagonal)	50 in. (diagonal)	61-in. (diagonal)
Screen Aspect Ratio:	16:9	16:9	16:9	16:9
Available Aspect Ratios:	4:3, Letterbox, 16:9 Anamorphic, VirtualWide™	4:3, Letterbox, 16:9 Anamorphic, VirtualWide™	4:3, Letterbox, 16:9 Anamorphic, VirtualWide™	4:3, Letterbox, 16:9 Anamorphic, VirtualWide™
Image Area (W x H)	38 in. (965.20 mm) x 21 1/2 in. (546.10 mm)	43 3/4 in. (1111 mm) x 24 3/4 in. (629.00 mm)	44 1/8 in. (1121 mm) x 25 in. (635.00 mm)	53 1/2 in. (1359 mm) x 30 in. (762.00 mm)
DTV Compatibility:	480p, 720p, 1080i	480p, 720p, 1080i	480p, 720p, 1080i	480p, 720p, 1080i
Contrast Ratio:	1000:1	1000:1	1000:1	1000:1
Data/Graphics Compatibility:	640 x 400 to 1600 x 1200	640 x 400 to 1600 x 1200	640 x 400 to 1600 x 1200	640 x 400 to 1600 x 1200
Inputs:	(1) RGB/Component, (1) RGB (15 pin mini D-sub), (1) DVI-Digital	(1) RGB/Component, (1) RGB (15 pin mini D-sub), (1) DVI-Digital	(1) Composite Video (1) S-Video (2) Component Video (RCA) (1) RGB (DB15) (2) HDMI (3) Stereo audio (RCA x2) (1) RS-232 (DB9)	(1) Composite Video (1) S-Video (2) Component Video (RCA) (1) RGB (DB15) (2) HDMI (3) Stereo audio (RCA x2) (1) RS-232 (DB9)
Power Requirements:	100-240V AC, 50/60Hz	100-240V AC, 50/60Hz	100-240V AC, 50/60Hz	100-240V AC, 50/60Hz
Power Consumption:	380W	480W	480W	660W
Operating Environment:	32°–104° F (0°–40°C), 20–80% Humidity (non-condensing)	32°–104° F (0°–40°C), 20–80% Humidity (non-condensing)	32°–95°F (0°–35°C), 20–80% Humidity (non-condensing)	32°–95°F (0°–35°C), 20–80% Humidity (non-condensing)
Dimensions: (without stand)	Width: 43 3/8 in. (1102.00 mm) Depth: 4 3/8 in. (111.13 mm) Height: 26 3/4 in. (679.40 mm) Weight: 80 lbs. (36.30 kg)	Width: 49 1/4 in. (1251.00 mm) Depth: 4 3/8 in. (111.13 mm) Height: 30 1/8 in. (765.20 mm) Weight: 96 lbs. (44.00 kg)	Width: 49 1/2 in. (1248.00 mm) Depth: 4 in. (102.00 mm) Height: 30 1/8 in. (765.20 mm) Weight: 96 lbs. (44.00 kg)	Width: 58 3/4 in. (1492.00 mm) Depth: 4 7/8 in. (124.00 mm) Height: 35 1/2 in. (902.00 mm) Weight: 140 lbs. (63.50 kg)
Regulatory Approvals:	Complies with FCC class B	Complies with FCC class B	FCC 15B class B	FCC, CE, C-Tick
Limited Warranty:	(3) Three years parts and labor (not including plasma glass panel) from the date of delivery to the end user. (1) One year parts and labor on the plasma glass panel from the date of delivery to the end user.	(3) Three years parts and labor (not including plasma glass panel) from the date of delivery to the end user. (1) One year parts and labor on the plasma glass panel from the date of delivery to the end user.	(3) Three years parts and labor (not including plasma glass panel) from the date of delivery to the end user. (1) One year parts and labor on the plasma glass panel from the date of delivery to the end user.	(3) Three years parts and labor (not including plasma glass panel) from the date of delivery to the end user. (1) One year parts and labor on the plasma glass panel from the date of delivery to the end user.

Specifications	DHD Controller
Aspect Ratios:	Anamorphic, Letterbox, VirtualWide™, 4:3 (on either 16:9 or 4:3 screens)
Input Standards:	NTSC/PAL
Output Resolution:	768P
Output:	(1) HD - R (Pr), G (Y), B (Pb), H, V; (1) DVI w/HDCP
Inputs	(1) Composite; (2) S-Video; (1) Component; (2) HD - R (Pr), G (Y), B (Pb), H, V; (2) DVI w/HDCP
Communications Control Ports:	(1) RS-232 (via DB9 connector), (1) RJ-11 output (for display only), IR (with discreet commands), Front panel controls
Screen Trigger/ Masking Output:	(3) 12V DC, 1/8A
Bandwidth:	150 Mega Samples/Second (MSPS)
Power Requirements:	100–240V AC (auto sensing) 50/60 Hz, 160W
Operating Environment:	41°–95° F, (5°–35° C), 0%–90% Humidity (non-condensing)
Dimensions: (w/out feet)	Width: 17 1/2 in. (444.50 mm), Depth: 11 3/16 in. (284.10 mm), Height: 3 3/4 in. (95.25 mm), Weight: 13 lbs. (5.9 kg)
Included Accessories:	Rack mounting brackets
Regulatory Approvals:	Complies with FCC, CE, C-Tick
Limited Warranty:	(2) Two years parts and labor from the date of delivery to the end user



Engineered for ISF® calibration.



Specifications are subject to change without notice. Optional tabletop stand or wall mount available.

© 2006 Runco International. All rights reserved. PlasmaWall, Vivix, WideVision, DHD, LiveLink, and VirtualWide are trademarks of Runco International. ISF is a trademark of Imaging Science Foundation. Theater installation photo courtesy of Genesis Audio & Video, Irvine, CA



THE WORLD'S FINEST
HOME THEATER PRODUCTS™

2900 Faber Street, Union City CA 94587

Tel: 510-324-7777 • Fax: 510-324-9300

www.runco.com