PLASMAWALL® PORTFOLIO
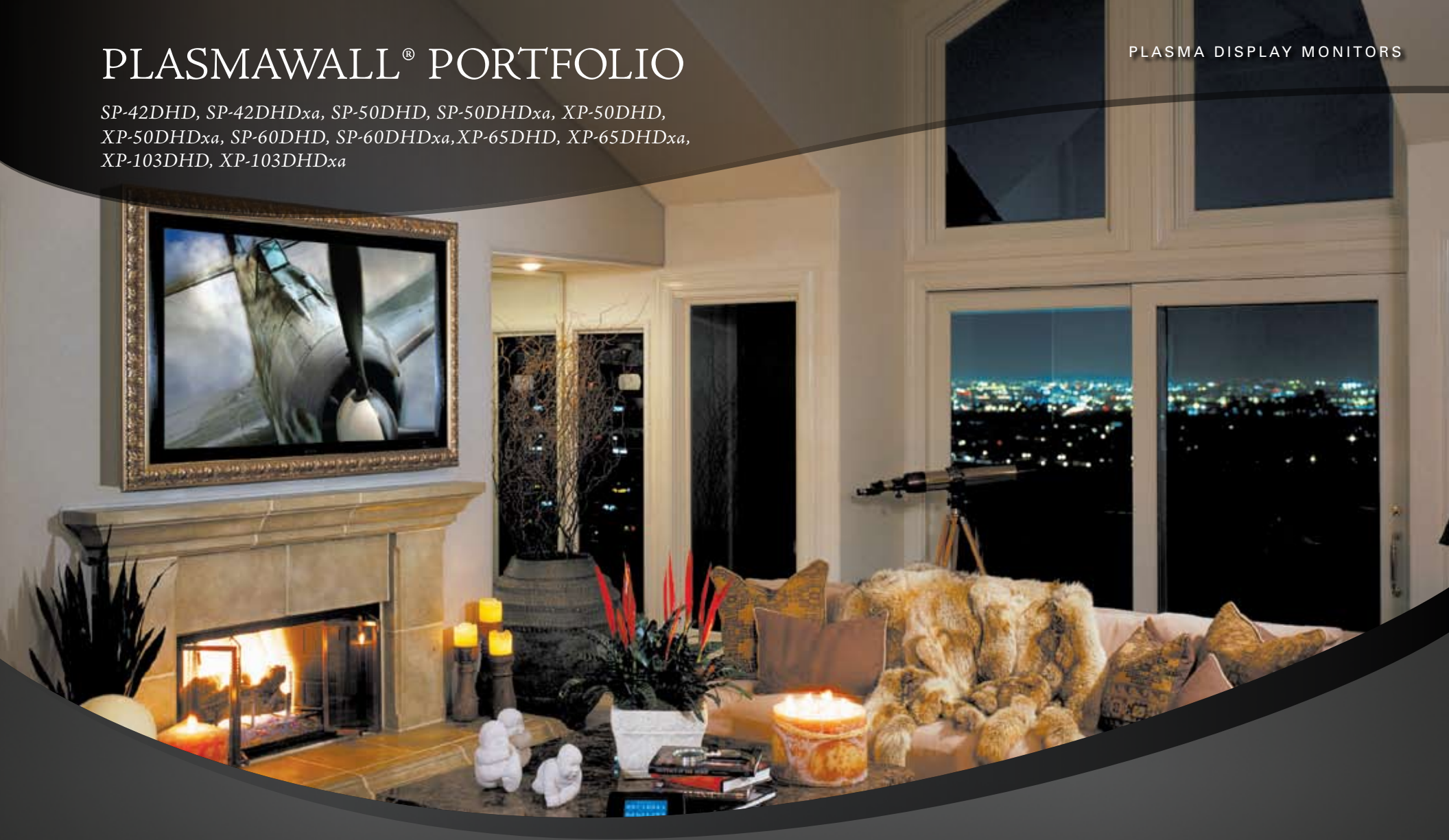
SP-42DHD, SP-42DHDxa, SP-50DHD, SP-50DHDxa, XP-50DHD, XP-50DHDxa, SP-60DHD, SP-60DHDxa,XP-65DHD, XP-65DHDxa, XP-103DHD, XP-103DHDxa

THX

RUNCO

THE WORLD'S FINEST HOME THEATER PRODUCTS®

THX Certification applies to XP-65DHD and XP-65DHDxa only.

XP-65DHD

THX®

THX® has long been recognized as the leader in both the finest movie theater presentations and superb home theater performance. The THX Video Display Program has established the industry's highest standards of video performance for home video display products. Runco is proud to be the first home video display manufacturer to meet these demanding standards and offers the THX Certified XP-65DHD to our customers. The THX moniker attests to the exacting performance of these products and your ability to bring Hollywood home without compromise.

ViViX II — PIXEL FOR PIXEL

The PlasmaWall® Series includes Runco's® DHD™ Controller with 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 side bars and displaying any source material in full, widescreen glory.

isf®

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, luxury flat panel display monitors, consists of six models offering the finest plasma picture quality available. This video portfolio includes our flagship XP-103DHD, the world's largest plasma at a staggering 103-inches!

The XP-103DHD boasts full 1080p resolution and is supplied with an external DHD™ Controller/Processor featuring our renowned Vivix II® video processing for stellar performance and custom installation versatility. Included with all PlasmaWall monitors, the DHD provides two digital video inputs with HDCP compatibility and Runco's VirtualWide® to fill the 16:9 widescreen with standard 4:3 images. The home automation interface includes IR and RS-232 capabilities with discrete input selection, power on/off, aspect ratio control and more.

The XP-50DHD and XP-65DHD also feature full 1920 x 1080 (1080p) resolution in screen sizes of 50-inches and 65-inches diagonal. In addition, the XP-65DHD is THX Certified, the first plasma display to achieve this prestigious benchmark, establishing a new standard in flat panel display picture quality and performance.

Image quality is elevated to the highest levels on every 'XP' model, boasting impressive brightness and contrast ratios, deep black levels and the most accurate colorimetry yet available. Additional engineering enhancements include sophisticated 16-bit digital video processing resulting in 4096 steps of graduation for seamless images, completely void of the "solarization" and "stair stepping" characteristics previously plaguing digital flat panels.

The SP-42DHD, SP-50DHD and SP-60DHD are high definition displays in 42-inch, 50-inch and 60-inch diagonal screen sizes respectively.

Like all PlasmaWall models, they're engineered to the Imaging Science Foundation™ (ISF) setup and calibration standards and ISF controls are incorporated to help your custom installation specialist achieve the industry's highest standards in picture quality.

All models in the PlasmaWall portfolio are available with an optional tabletop stand (floor mount for XP-103DHD) or wall mount for maximum placement versatility. At around 5 inches thin or less, wall mounting is an attractive option for your PlasmaWall.

For our customers in high-altitude regions we also offer all models (except XP-103DHD) in "xa" versions (eg. XP-65DHDxa) with industry-leading high-altitude capability to more than 9000 ft. MSL. They are identical in all other respects, sharing features and specifications with their standard altitude counterparts.

RUNCO DHD VIDEO CONTROLLER

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

Runco's 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 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	SP-42DHD SP-42DHDxa	SP-50DHD SP-50DHDxa	XP-50DHD/ XP-50DHDxa	SP-60DHD SP-60DHDxa	XP-65DHD XP-65DHDxa	XP-103DHD XP-103DHDxa
Native Resolution:	1024 x 768	1365 x 768	1920 x 1080	1365 x 768	1920 x 1080	1920 x 1080
Screen Size:	42 in. (diagonal)	50 in. (diagonal)	50 in. (diagonal)	60 in. (diagonal)	65 in. (diagonal)	103 in. (diagonal)
Screen Aspect Ratio:	16:9	16:9	16:9	16:9	16:9	16:9
Available Aspect Ratios:	See DHD Controller Specs	See DHD Controller Specs	See DHD controller specs	See DHD Controller Specs	See DHD Controller Specs	See DHD controller specs
Image Area (W x H inches)	36.28 x 20.29	43.45 x 24.40	43.5 x 24.5	51.93 x 29.21	56.50 x 31.80	89.3" x 50.3
DTV Compatibility:	480i, 480p, 576i, 576p, 720p, 1080i	480i, 480p, 576i, 576p, 720p, 1080i	480i, 480p, 576i, 576p, 720p, 1080i, 1080p	480i, 480p, 576i, 576p, 720p, 1080i	480i, 480p, 576i, 576p, 720p, 1080i, 1080p	480i, 480p, 576i, 576p, 720p, 1080i, 1080p
Contrast Ratio:	1000:1	1000:1	5000:1 maximum	1000:1	5000:1 maximum	5000:1 maximum
ISF Settings:	Yes	Yes	Yes	Yes	Yes	Yes
Data/Graphics Compatibility:	640 x 400 to 1600 x 1200	640 x 400 to 1600 x 1200	VGA to UXGA	640 x 400 to 1600 x 1200	VGA, SVGA, XGA, SXGA, UXGA (compressed) Horiz. scan frequency = 15 to 110 kHz Vert. scan frequency = 48 to 120 Hz	VGA to UXGA
Inputs (from DHD Controller):	(1) RGB/Component (15-pin D-sub) (1) DVI with HDCP (1) RS-232 (9-pin D-sub female)	(1) RGB/Component (15-pin D-sub) (1) DVI with HDCP (1) RS-232 (9-pin D-sub female)	(1) DVI with HDCP (1) RS-232 (9-pin, D-sub male)	(1) RGB/Component (15-pin D-sub) (1) DVI with HDCP (1) RS-232 (9-pin D-sub female)	(1) DVI with HDCP (1) RS-232 (9-pin, D-sub male)	(1) DVI with HDCP (1) RS-232 (9-pin, D-sub male)
Power Requirements:	100-240V AC, 50/60Hz	100-240V AC, 50/60Hz	100–240V AC, 50/60Hz	100-240V AC, 50/60Hz	120V AC, 50/60Hz	240V AC, 50/60Hz
Power Consumption:	360 W (1.5 watts in standby), maximum	377 W (10 watts in standby), maximum	650 W (.1 W in standby), maximum	475 W (10 watts in standby), maximum	790 W (1.0 W in standby), maximum	1550 W (.5 W in standby)
Operating Environment:	40°–95° F (5°–35°C), 20–80% Humidity (non-condensing) Altitude = up to 6,000 feet (1,828m) (xa) Model = up to 9,000 feet (2,743m)	40°–95° F (5°–35°C), 20–80% Humidity (non-condensing) Altitude = up to 6,000 feet (1,828m) (xa) Model = up to 9,000 feet (2,743m)	32°F–104°F (0°C–40°C); 20%–80% Humidity (non-condensing) Altitude = up to 6,000 feet (1,828m) (xa) Model = up to 9,000 feet (2,743m)	40°–95° F (5°–35°C), 20–80% Humidity (non-condensing) Altitude = up to 6,000 feet (1,828m) (xa) Model = up to 9,000 feet (2,743m)	40°F–95°F (5°C–35°C); 20%–80% humidity (non-condensing) Altitude = up to 6,000 feet (1,828m) (xa) Model = up to 9,000 feet (2,743m)	2°F–104°F (0°C to 40°C); 20%–80% humidity (non-condensing) Altitude = up to 6,000 feet (1,828m) xa model: up to 7,800 feet (2,400m)
Dimensions: (without stand)	Width: 41 1/2 in. (1054.10 mm) Height: 25 3/8 in. (645.00 mm) Depth: 4 1/8 in. (105.00 mm) Weight: 83 lbs. (37.65 kg)	Width: 49 1/4 in. (1251.00 mm) Height: 30 in. (762.00 mm) Depth: 4 1/8 in. (105.00 mm) Weight: 94.20 lbs. (42.73 kg)	Height = 28.5 in. (724 mm) Width = 47.6 in. (1,210 mm) Depth = 3.7 in. (95 mm) Weight = 93 lbs. (42 kg)	Width: 58 11/16 in. (1489.71 mm) Height: 35 5/8 in. (904.13 mm) Depth: 5 1/16 in. (128.27 mm) Weight: 150.50 lbs. (68.27 kg)	Width = 62 1/3 in. (1582.4 mm) Height = 37 1/2 in. (952.5 mm) Depth = 4 1/8 in. (104.1 mm) Weight: 163.1 lbs. (73.98 kg)	Height = 55.9 in. (1,421 mm) Width = 95 in. (2,414 mm) Depth = 5.1 in. (129 mm) Weight: 485 lbs. (220 kg)
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.	(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:	4:3, 16:9 Anamorphic, Letterbox, VirtualWide® and Cinema
Video Standards:	NTSC, PAL, ATSC
Output Resolution:	SP Models: 768P XP Models: 1080P
Output:	SP Models: (1) HD - R (Pr), G (Y), B (Pb), H, V; (1) DVI w/HDCP XP Models: (1) HDMI w/HDCP
Inputs	(1) Composite; (2) S-Video; (1) Component; (2) HD - R (Pr), G (Y), B (Pb), H, V; (2) DVI w/HDCP (on XP models (2) HDMI w/HDCP)
Communications Control Ports:	Discrete infrared remote (1) RS-232 9 pin connector
Screen Trigger/ Masking Output:	(3) +12 VDC, each rated at 750 mA and thermal fuse-protected
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
Limited Warranty:	(2) Two years parts and labor from the date of delivery to the end user

Engineered for ISF® calibration.

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