



3Dimension Projectors



D-113d

Specification	Detail
Projector Type	3-chip Texas Instruments Digital Light Processing™ (DLP), SuperOnyx™ DMD™
Native Resolution	1920 x 1080 (1080p)
Aspect Ratios	16:9, 4:3, Letterbox, VirtualWide, Cinema, VirtualCinema
DTV Compatibility	480i, 480p, 576i, 576p, 720p, 1080i 50/60, 1080p 24/50/60
Picture Size (16:9 Screens) in 2D	Recommended Width: 120 - 348 in. Maximum Width: 480 in.
Picture Size (16:9 Screens) in 3D	Recommended Width: 96 - 190 in. Maximum Width: 254 in.
Throw Distance Factor x Screen Width	Athena Uno: Fixed 0.67:1 Athena Dos: Zoom 1.39 - 1.85:1 Athena Tres: Zoom 1.85 - 2.59:1 (with CineWide 1.60 - 1.94:1) Athena Cuatro: Zoom 2.59 - 4.16:1 (with CineWide 1.94 - 3.12:1) Athena Cinco: Zoom 4.16 - 6.93:1 (with CineWide 3.12 - 5.20:1)
Processor	Runco 3Dimension Processor with ViVix IV™ technology and BRiC tool
Calibration	ISF Certified Calibration Configuration
12V Output	3 programmable, see 3Dimension Processor specificatings
Color Gamut	Fully adjustable, > BT.709 (REC709)
Video Standards	NTSC, PAL, SECAM, CEA-861D
Horizontal & Vertical Offset	Vertical: Up to 60% of image height down or up from center of screen Horizontal: Up to 25% of image width left or right from center of screen (Athena Uno is limited to ±17% V, ±6% H) must be mounted on shelf
Light Output in 2D	(measured on 1.0 gain, 84" 16:9 screen) CSMS Specifications: Home Theater Calibration: 11,750



	ANSI Lumens; 420 Foot-Lamberts (fL); 20,000 ANSI Lumens; Light output will drop less than 10% over the life of the product.
Light Output in 3D	(measured on 3.0 gain, 84" 16:9 screen) CSMS Specifications: Home Theater Calibration: 11,750 ANSI Lumens; 128 Foot-Lamberts (fL); 4,000 ANSI Lumens; Light output will drop less than 10% over the life of the product.
Illumination System	Quad mercury lamps. Individually swappable while projector is in operation Dual mercury lamps. Individually swappable while projector is in operation
Lamp Life	2000 hours
Contrast Ratio	CSMS Contrast Ratio: >500:1 (ANSI); 10000:1 full-on, full-off (dynamic)
Inputs	See 3Dimension Series specifications
Control	RS-232 and IR remote
Power Requirements	100 VAC to 240 VAC \pm 10% @ 50/60Hz
Power Consumption	2640 W maximum
Operating Environments	Current: 13.2A @ 100V Temperature: 40 to 95 °F (5 to 35 °C) Humidity: 10-80% humidity (non-condensing)
Dimensions	Width: 24.32 in. (617.80 mm) Depth: 32.65 in. (829.35 mm) Height 26.2 in. (665.48 mm)
Weight	275 lbs (124.74 kg) (without lens or feet) projector ships in two pieces
Limited Warranty	2 year PremierCare™ warranty; lamp warranty 1000 hours or (6) six months whichever comes first (US and Canada)
3D Support	All HDMI 1.4a mandatory 3D formats are supported with included Runco 3Dimension Processing system
Regulatory Approvals	FCC Part 15, Subpart B Class A, UL 60950, IEC60950, RoHS
Glasses	Ships with 6 pairs of PreciseColor by Panavision™ 3D System passive glasses

For more information visit www.Runco.com or call 800-237-8626 or +1-503-748-1100.

Specifications are subject to change without notice.

Specification Report Date: 9/9/2011



Video Processors



3Dimension Processor

Specification	Detail
Aspect Ratios	4:3, 16:9, Letterbox, VirtualWide™, Cinema, Virtual Cinema™, Native
Video Standards	HDMI and DVI with HDCP for digital video, Component and RGB HDTV (1080p, 1080i, 720p), Component and RGB EDTV (576p, 480p), Component and Composite SDTV (576i, 480i), RGB SCART with adaptor, NTSC (M, 4.43), PAL (B, G, H, I, N, M), SECAM (M)
Inputs	(4) HDMI 1.4 with CEC and Deep Color; (1) Component/SCART (3 x RCA); (2) Component/RGBHV (5 x BNC); (3) Composite
Outputs	(2) HDMI with Deep Color to displays; (1) HDMI with Deep Color to second display or audio processor
Display Communication	(2) RJ11 for serial display control
Communication Control Ports	(1) USB (type B female) for firmware upgrade; (1) RS-232 (female DB9) for serial commands; (1) RS-232 (male DB9) for accessories; (1) 3.5mm wired IR input for Nilès/Xantech-compatible IR systems; Discrete infrared remote; Front panel vacuum fluorescent display and keypad; dual imager management
Operating Environments	Temperature: 50-104 °F (10-40 °C) Humidity: 0-85% humidity (non-condensing) Altitude: Up to 10,000'
Power Requirements	100 - 240V AC (auto-sensing), 50/60 Hz, 35 watts (typical)
Ethernet Communication	(1) RJ45 (female) for web server, e-mail, auto firmware upgrade and Telnet
Dimensions	3Dimension Processor + DHD4 = 3-part, 6U solution necessary to produce amazing 3D for D-73d. Dimensions for each box (3 total): Width: 17.50 in. (444.5 mm) Depth: 11.19 in. (284.1 mm) Height: 3.75 in. (95.3 mm)
Weight	15.5 lbs. (7.0 kg)



Regulatory Approvals	cTUVus, FCC class B, CE, RoHS, China RoHS, WEEE, C-Tick, CCC, local conformances as required
Limited Warranty	(2) Two years parts and labor from the date of shipment from Runco
12V Output	(3) 3.5mm programmable, 250mA max each
Accessory Applications	Runco Firmware Upgrader, Runco BRiC (backup, restore, clone), CalMAN by SpectraCal for automatic calibration
3D Support	System includes demultiplexing algorithms for every required HDMI 1.4a 3D format, including frame-packed, maintaining optimal synchronization and stereo separation.

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