

DLP

REFLECTION™ VX-1000D

RUNCO INTERNATIONAL
DIGITAL LIGHT PROCESSING™



DHD™

NEXT GENERATION ALL DIGITAL DHD CONTROLLER
VIVIX II™ DIGITAL VIDEO PROCESSING
1280 X 720 WIDESCREEN NATIVE RESOLUTION
1500 ANSI LUMENS/UP TO 3300:1 CONTRAST RATIO
DIGITAL HIGH DEFINITION



The World's Finest Home Theater Products™

ENHANCED
GEN3
TECHNOLOGY

The new VX-1000d incorporates Runco's exclusive Enhanced GEN 3™ engineering advancements to make more efficient use of optical light engine design. Runco has implemented a host of improvements into this new engine to take full advantage of Texas Instrument's latest widescreen high definition DMD™ chip.

These include a sophisticated color balancing system resulting in the industry's best gray scale tracking. Additionally, the VX-1000d incorporates RVR™, or *Reflectance Volume Regulation*, which provides for infinitely variable adjustment of the light path through the optics, enabling the perfect blend of black and white levels for each individual installation.

The VX-1000d is supplied with Runco's new, next generation all digital DHD controller, featuring advanced Vivix II™ processing. This controller produces 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, making this system ready for Runco's exclusive LiveLink™ DVI cable solution to preserve HD signal quality over long runs.

FEATURES:

- Runco-engineered, Enhanced GEN 3 Technology™ with RVR™
- Includes Next Generation All Digital DHD Video Controller
- 1280 x 720, 16:9 Widescreen Native Resolution
- Vivix II™ Digital Video Processing
- HDTV Ready
- DVI Input w/HDCP

VX-1000D PROJECTOR SPECIFICATIONS:

Projector Type:	Digital Light Processing™ (DLP™), Single HD-2+ DMD™ Chip
Native Resolution:	1280 x 720, (16:9)
Aspect Ratios:	Determined by Supplied Processor
Video Standards:	NTSC, PAL
DTV Compatibility:	480p, 720p, 1080i
Scan Frequency:	Horizontal: 15–81 kHz Vertical: 43–100 Hz
Picture Size (16:9 Screen):	Recommended Width: 72–96 in. Maximum Width: 200 in.
Throw Distance (Factor x Screen Width):	Minimum = Zoom 1.85 x screen width, Maximum = Zoom 2.4 x screen width
Horizontal and Vertical Offset:	Horizontal: 0 Vertical: +/- 50%
Light Output:	CSMS** Specifications: Home Theater Calibration: 418–600 ANSI Lumens† 15.6–22.4 Foot-Lamberts (fL)† †Variable depending on RVR calibration; 1500 ANSI Lumens*
Contrast Ratio:	CSMS** Contrast Ratio: 211:1 to 229:1† †Variable depending on RVR calibration; 2700:1 to 3300:1†

Lamp:	250W NSH
Lamp Life:	2000 hours @ 6500° Kelvin
Inputs:	(1) RGB HV, (1) DVI w/HDCP, (1) RS-232
12V Output:	See Controller for Specifications
Power Requirements:	100–240V AC, 50/60 Hz, 375W
Operating Environment:	40°–95° F, (5°–35° C), 0%–90% Humidity (non-condensing)
Dimensions (w/out feet):	Width: 20 7/8 in. (530 mm) Depth: 21 5/8 in. (550.20 mm) Height: 7 1/8 in. (181 mm) with feet 8 1/4 in. (209.50 mm) Weight: 50 lbs. (23 kg) (includes lens)
Regulatory Approvals:	Complies with FCC Class B, CE, C-Tick
Limited Warranty:	<u>Projector:</u> (2) Two year parts and labor from the date of delivery to the end user. <u>Lamp Warranty:</u> 1000 hours or (6) six months, which ever comes first.

DHD CONTROLLER SPECIFICATIONS (Included with the VX-1000D):

Aspect Ratios:	Anamorphic, Letterbox, VirtualWide™ 4:3 (on either 16:9 or 4:3 screens)
Input Standards:	NTSC/PAL
Output Resolution:	720P
Outputs:	(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
Control Options:	Discrete infrared remote, (2) RS-232, (1) 9-pin Connector, (1) RJ-11, Front panel controls
Screen Trigger/ Masking Outputs:	(3) 12V DC, 1/8A

Bandwidth:	150 Mega Samples/Second (MSPS)
Power Requirements:	100–240V AC (auto sensing) 50/60 Hz, 160W
Operating Environments:	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

***ANSI Lumen specification:**

This is the typical projector luminosity (brightness) specification found in most sales literature. This measurement is included in RUNCO literature to allow for direct comparison with other manufacturer's projectors. These measurements can be taken at 9,000 to 13,000° Kelvin to get expected performance data when the projector is used in professional, commercial, and industrial displays.

****CSMS Home Theater Calibration ANSI Lumen Specification:**

These measurements are taken from the projector as set up in a home theater environment. The projector is calibrated to ISF specifications including setting the color temperature to 6500° Kelvin, the standard for reproducing video.

****CSMS Home Theater Calibration foot-Lambert (fL) Specification:**

This is the unit of measurement used in commercial movie theaters to express image brightness. The Society of Motion Picture and Television Engineers (SMPTE) specifies 16 fL as the target image brightness for film-based projectors using an open gate (without film in the projector). More importantly, today SMPTE specifies 12 fL as the target image brightness in Digital Cinema theaters using DLP™ technology. The foot-Lambert is dependant on screen size, screen gain, and projector light output.

All measurements are made at RUNCO to ANSI/NAPM IT7.228-1997 specifications using the Photo Research PR-650 SpectraColorimeter and Minolta LS-100 Luminance Meter, Video Essentials test DVD, and a Stewart Filmscreen StudioTech 130, 1.3 gain, 72-inch wide screen. The projector is calibrated to a color temperature of 6500° Kelvin and has a minimum of 150 hours of usage.



Engineered for ISF® calibration.



THE WORLD'S FINEST HOME THEATER PRODUCTS™

Runco International®

2900 Faber Street, Union City CA 94587

Tel: 510-324-7777 • Fax: 510-324-9300

www.runco.com