

DLP

RUNCO INTERNATIONAL
DIGITAL LIGHT PROCESSING™

VIDEO XTREME™ VX-2C



DHD™

1280 X 720 NATIVE RESOLUTION 3-CHIP SYSTEM
16:9 NATIVE ASPECT RATIO
SIX LENS OPTIONS FOR MAXIMUM VERSATILITY
INTEGRATED LIVELINK™ TECHNOLOGY TO PRESERVE HD SIGNALS
DIGITAL HIGH DEFINITION™



The World's Finest Home Theater Products™

Runco steps into the future once again with the Video Xtreme™ VX-2c projection system, among the first DLP™ projectors to offer a 16:9 native resolution, 3-chip system for home theater.

The VX-2c optical light engine utilizes three advanced 16:9 DMD's™ featuring 1280 x 720 high definition resolution and 12 degree mirror tilt for the finest black level performance. The impressive brightness inherent in 3-chip systems is further bolstered by the improved contrast capabilities of the VX-2c light engine design, offering the best of both worlds.

Unlike previous single-chip implementations of DLP, no color wheel is used. This reduces mechanical complexity and compromises to color spectrum purity. The VX-2c is also Runco's smallest 3-chip chassis ever, enhanced further by significant horizontal and vertical lens shift capability for maximum installation flexibility.

The VX-2c is supplied with Runco's new, next generation all digital DHD controller, featuring advanced Vivix II™ video processing, superb scaling and aspect ratio control.

The VX-2c and DHD connect via DVI cable for a pure digital signal path from input to output. Runco's exclusive LiveLink™ DVI cable system circuitry is integrated into the projector to preserve HD signal quality over long runs.

FEATURES:

- 1280 x 720 Native Resolution 3-Chip System
- 16:9 Native Aspect Ratio
- DVI Input with HDCP

- HDTV Ready
- Multiple Lens Options for Throw Distance Flexibility
- Next Generation All Digital DHD Video Controller
- Integrated LiveLink™ Technology to Preserve HD Signals

VX-2c PROJECTOR SPECIFICATIONS:

Projector Type:	Digital Light Processing™ (DLP™), 3-chip, 16:9 HD-2, DMD™
Native Resolution:	1280 x 720 (16:9)
Aspect Ratios:	Determined by supplied processor
Video Standards:	Determined by supplied processor
DTV Compatibility:	Determined by supplied processor
Scan Frequency:	Horizontal: 15–100 KHz Vertical: 28–78 Hz
Picture Size (16:9 Screen):	Recommended Width: 72–120 in. Maximum Width: 250 in.
Throw Distance (Factor x Screen Width):	Lens Option 1: Zoom 1.20–1.40 x width Lens Option 2: Zoom 1.40–1.77 x width Lens Option 3: Zoom 1.77–2.35 x width Lens Option 4: Zoom 2.35–3.60 x width Lens Option 5: Zoom 3.60–5.70 x width Lens Option 6: 0.67 x width (for rear-screen applications)
Horizontal and Vertical Offset:	Horizontal: +/- 10–16% Vertical: - to 60%; + to 24% <i>(Lens options 1 – 5 with ceiling mount. Vertical specifications are with horizontal shift at center. Horizontal specifications are with no vertical shift used. Amount of available shift varies per lens. Contact Runco technical support for installation details.)</i>
Light Output:	CSMS** Specifications: Home Theater Calibration: 1227 ANSI Lumens; 52.1 Foot-Lamberts (fL); 2500 ANSI Lumens*

Contrast Ratio:	CSMS** Contrast Ratio: 271:1; 3100:1 ANSI
Lamp:	275W UHP
Lamp Life:	2000 hours @ 6500° Kelvin
Controller Interface:	(1) DVI Connector
12V Output:	See Controller for Specifications
Power Requirements:	100–240V AC, 50/60 Hz, 510W
Operating Environment:	40°–95° F, (5°–35° C), 0%–90% Humidity (non-condensing)
Dimensions (w/out feet):	Width: 19 3/16 in. (487.20 mm), Depth: 26 7/16 in. (672.00 mm), Height: 8 1/8 in. (206.40 mm), with feet 9 3/4 in. (247.70 mm) Weight: 81 lbs. (36.8 kg) (without lens)
Regulatory Approvals:	Complies with FCC, CE, C-Tick
Limited Warranty:	Projector: (2) Two years parts and labor from the date of delivery to the end user Lamp Warranty: 1000 hours or (6) six months, which ever comes first.

DHD VIDEO CONTROLLER SPECIFICATIONS (Included with the VX-2c):

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



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

***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.