PRELIMINARY

VIDEO XTREME DLP™ PROJECTORS AND PFP™ CONTROLLERS

VIDEO XTREME™ VX-4C FAMILY

VX-4c 720P • VX-4c 960P
VX-4c 1024P • VX-4c 1024P WITH 2.35 ASPECT RATIO

VX-4c 720P

VX-4c 960P

VX-4c 1024P

VX-4c 1024P with 2.35 Aspect Ratio

DLP

DIGITAL LIGHT PROCESSING™

RUNCO INTERNATIONAL

VHD™

VIRTUAL HIGH DEFINITION™

ULTIMATE HOME CINEMA SYSTEMS
UP TO 1024P RESOLUTION
FOUR VERSIONS FOR MAXIMUM VERSATILITY

RUNCO

The World's Finest Home Theater Products™

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The Video Xtreme VX-4c family of projectors represents the ultimate in video versatility and high performance for the most demanding home theater environments.

Runco offers four distinct versions of the VX-4c to meet the needs of any installation requirement:

- The VX-4c 720P system offers high definition resolution in a 16:9 format, while providing multiple aspect ratio selection in addition.
- The VX-4c 960P system provides even greater resolution at all aspect ratios.
- The VX-4c 1024P system yields the ultimate resolution by employing every available pixel for maximum picture clarity and brightness.
- Finally, the VX-4c 1024P 2.35 aspect ratio system also makes the maximum resolution fully available, and does so even in the very widest CinemaScope 2.35:1 aspect ratio — the only consumer video projection system available with such awesome capability!

These state-of-the-art projectors utilize Texas Instruments' most advanced Dark Metal Process DMD™ chipsets with an impressive 1280 x 1024 native resolution in a 3-chip array. When combined with the powerful 700 watt Xenon lamp the results are exceptionally bright and crisp high-resolution images on a variety of screen sizes. Runco has engineered a lamp intensity control system as well, so the lamp can operate at lower output levels when used with smaller screens to preserve maximum black level performance.

In addition to the unprecedented versatility offered by the VX-4c projector family, all four include Runco's award winning VHD Ultra Video Controller for outstanding video processing, scaling and aspect ratio control.

The Runco VX-4c projector family features not only most technologically advanced design ever offered, but includes horizontal and vertical lens shift for maximum installation flexibility even in the most difficult situations.

VX-4c PROJECTOR SPECIFICATIONS:

Projector Type:	Digital Light Processing™ (DLP™), 3-chip, 0.9" DMD™ — Dark Metal Process
Native Resolution:	1280 x 1024
Aspect Ratios:	Determined by supplied processor
Video Standards:	NTSC, PAL
DTV Compatibility:	480p, 720p, 1080i, 1080p
Scan Frequency:	Horizontal: 15–120 KHz Vertical: 24–120 Hz
Picture Size (16:9 Screen):	Recommended Width: 84–288 in. Maximum Width: 375 in.
Throw Distance:	Lens Option 1: Zoom 1.5-2.2 x width Lens Option 2: Zoom 2.2-4 x width Lens Option 3: Zoom 4-7 x width Lens Option 4: 0.8 x screen width (additional; for rear-screen applications) ANAMORPHIC CINEMA LENS ATTACHMENTS: VX-4c @ 720P: None; VX-4c @ 960P: 1.33; VX-4c @ 1024P: 1.42; VX-4c @ 1024P w/2.35 Aspect Ratio: 1.9
Horizontal and Vertical Offset:	Horizontal offset varies per lens, up to 80% Vertical offset: varies per lens, up to 130%

Installer Dependent

Light Output:	CSMS* Specifications: Home Theater Calibration: 1706-2938 ANSI Lumens; 31.5-56.2 Foot-Lamberts (fL); Up to 3000 ANSI lumens (All light output values are variable depending on lamp wattage output adjustment setting).
Contrast Ratio:	CSMS* Contrast Ratio: 131:1–142:1; 1000:1 ANSI
Lamp:	700W Xenon lamp, adjustable from 400W to 700W
Lamp Life:	1000 hours @ 6500º Kelvin
Inputs:	Projector: (1) RGB/Component, (1) DB 15-pin Controller: (1) Composite, (1) S-Video, (1) Component, and (1) Pass-through
Memories:	100 discrete memories
12V Output:	See Controller for Specifications
Power Requirements:	100-240V AC, 50/60 Hz, 1150W
Operating Environment:	41°–95° F, (5°–35° C), 20%–85% Humidity (non-condensing)
Dimensions (w/out feet):	Width: 28 9/10 in. (734.00 mm), Depth: 31 3/5 in. (802.60 mm), Height: 13 in. (330.20 mm), Weight: 175 lbs. (79.4 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.

VHD ULTRA CONTROLLER SPECIFICATIONS (Included with the VX-4c):

Aspect Ratios:	Anamorphic, Letterbox, 4:3 (on either 16:9 or 4:3 screens)
Input Standards:	NTSC/PAL
Outputs:	Native Resolution: 720P, 960P, 1024P, and 1024P anamorphic HD Pass-through: Up to 1080P
Inputs:	(1) Composite, (1) S-Video, (1) Component, (1) Pass-through
Control Options:	Infrared (with discrete on/off, aspect ratio and source selection), RS-232, and Front Panel
Screen Trigger/ Masking Outputs:	(2) 12V DC, 1/8A
Bandwidth:	Video inputs: 5.5 Mhz, Pass-through: 100 Mhz

Power Requirements:	100–240V AC (auto sensing) 50/60 Hz, 15W
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: 16 in. (406.40 mm), Height: 3 1/2 in. (88.90 mm), Weight: 16 lbs. (7.3 kg)
Included Accessories:	Rack mounting brackets
Regulatory Approvals:	Complies with FCC Class B, CE, C-Tick
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 13,000ºKelvin 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 6500ºKelvin, 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 Da-Lite 1.5 gain, 100-inch wide screen. The projector is calibrated to a color temperature of 6500º Kelvin and has a minimum of 150 hours of usage.

RUNCO

THE WORLD'S FINEST HOME THEATER PRODUCTS™

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Call factory for more specific information on export specifications. Specifications are subject to change without notice. Optional ceiling bracket available.