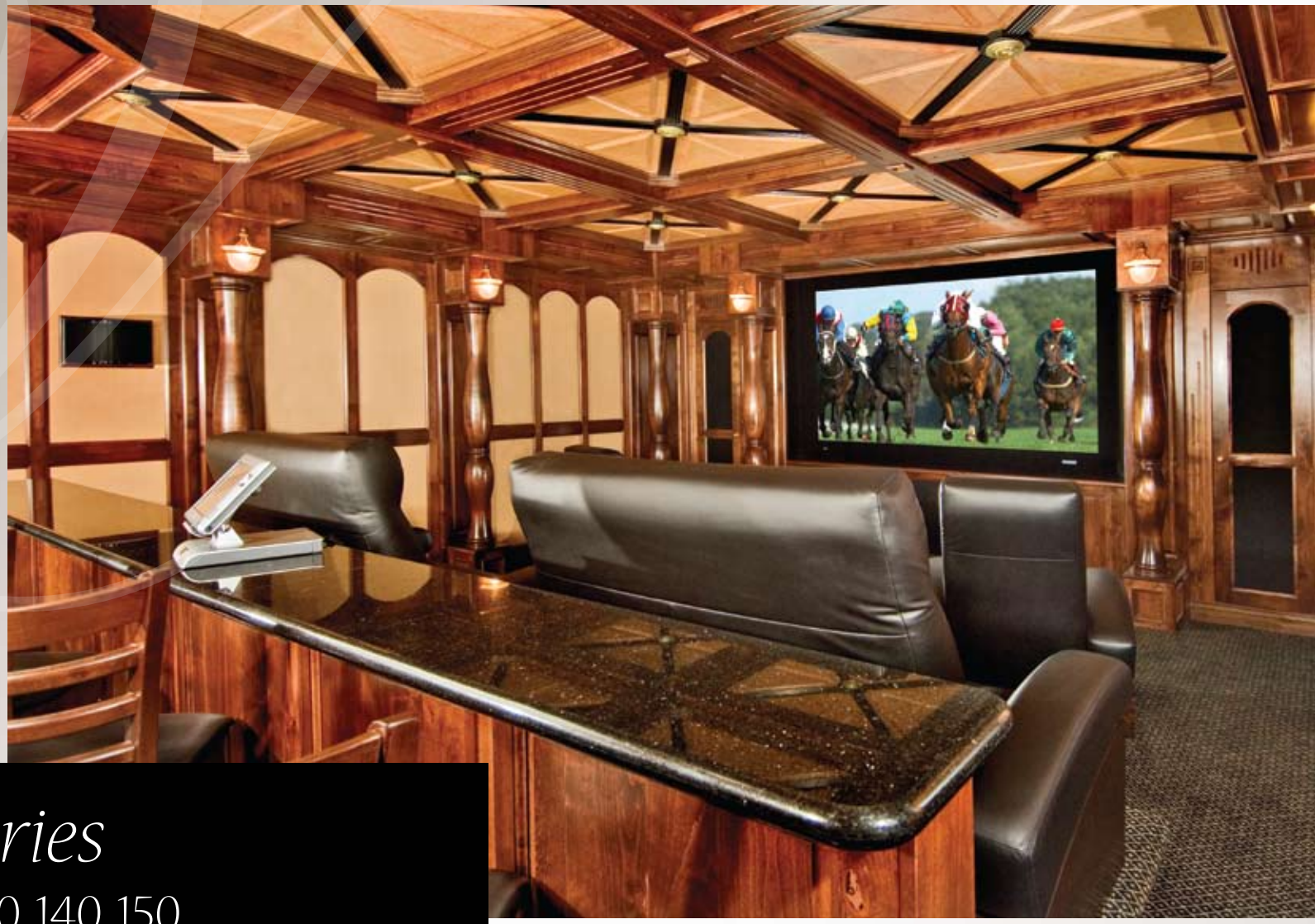
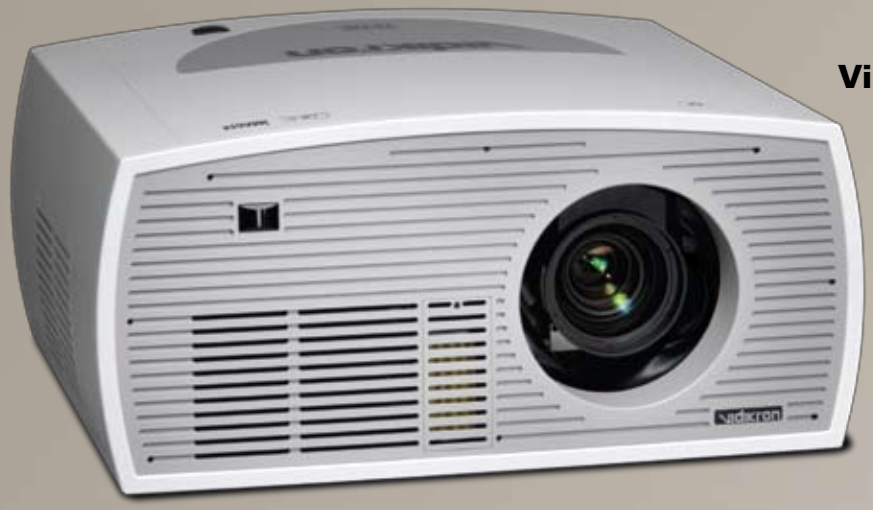


Vision™ Series

Models 110, 120, 140, 150
DLP™ Home Theater Projectors

THX

Vidikron®
Going Beyond Home Theater™



Vision™ Model 140 and Vision Model 150

Vidikron® leads the industry in high performance 1080p, 3-chip DLP™ technology with our flagship line of projectors.

Heading the cast are the Vision™ Model 140 and Vision™ Model 150 LightAmp™ projectors. They bring our most advanced engineering, plus full 1080p resolution and prestigious THX™ home video certification—the mark of excellence for high definition video display products, together in truly awesome fashion.

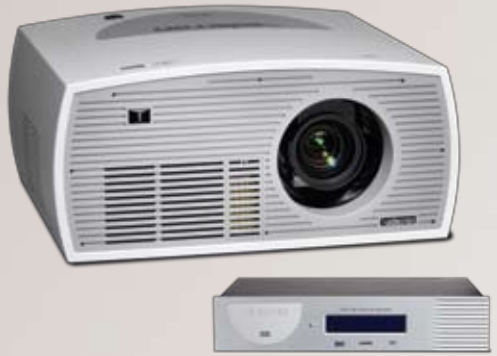
These state-of-the-art overachievers use a new, ingeniously engineered 3-chip DLP™ light engine, combined with an advanced Xenon LightAmp™ illumination system to bring astoundingly high performance and ultra-high resolution to the very best home theaters.

Vision Model 150 and VHD Controller

The Vision Model 150 incorporates an astonishing 1.2 kW Xenon lamp to produce our brightest 1080p picture ever, while the Vision Model 140 features a powerful 1.0 kW Xenon lamp. Four high-precision zoom lenses are available with broad motorized horizontal and vertical lens shift capability. Vidikron engineers have ensured that light is efficiently culminated through the implementation of our advanced V2™ technology and have also engineered ISF™ calibration standards into these projectors.

The Vision Models 140 and 150 are furnished with Vidikron's newest, next-generation, all-digital VHD™ Controller, featuring our state-of-the-art Imagix™ video processing, superb scaling, dual HDMI inputs with HDCP and the industry's most advanced aspect ratio control system featuring IntelliWide®. Also included are three 12V triggers and an RS-232 interface for seamless custom integration with today's latest automation control systems.

Vidikron's exclusive CineWide™ and CineWide™ with AutoScope™ options are also available, which enable a CinemaScope™ image without distracting black bars, for true 2.35:1 widescreen movie enjoyment at full resolution.



Vision Model 140 and VHD Controller

Vision Model 110 and Vision Model 120

Vidikron's Vision™ Model 110 and Vision Model 120 provide today's highest available resolution —1080p, in a 3-chip DLP™ configuration. They have earned the world's first THX® video product certification, having been specifically engineered to the demanding THX Video Display Program standards, the industry's toughest.

The Vision™ Model 120 features our proprietary Imagix™ video processing in a separate outboard VDP-120 Controller/Processor while the Vision™ Model 110 features Imagix™ video processing built into its chassis. This advanced digital video processing produces artifact-free scaling of all video sources — matching HD images to the projector's native 1920 x 1080 resolution, while providing near-high definition image quality from even standard video sources — a hallmark of Vidikron's remarkable Imagix™ technology.

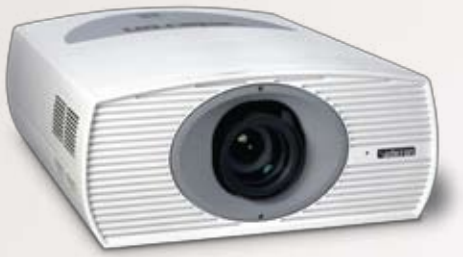
Both models feature multiple lens options with premium precision optics to facilitate a wide range of projector installation choices, and offer generous motorized horizontal and vertical electronic lens shift capabilities. Included are multiple inputs with discrete selection, IntelliWide aspect ratio control, HDMI™ digital video interfaces, and RS-232 communications for seamless integration with today's latest home automation control systems.

Vidikron's revolutionary, award-winning CineWide™ and CineWide™ with AutoScope™ technology options are available to eliminate useless black bars, filling your entire screen with ultra high-resolution excitement when viewing movies filmed in the 2.35:1 aspect ratio.

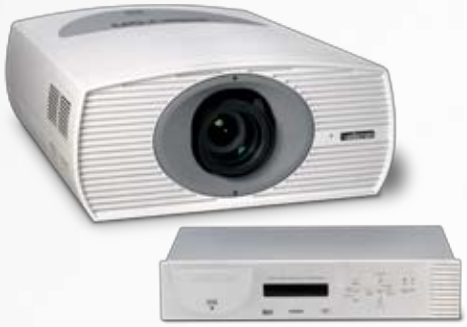
Whether you prefer the flexibility of the Vision Model 120's external Video Controller or the convenience of the Vision Model 110's integrated video processing, the exceptional performance and pristine picture quality are simply in a league of their own.

THX®

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



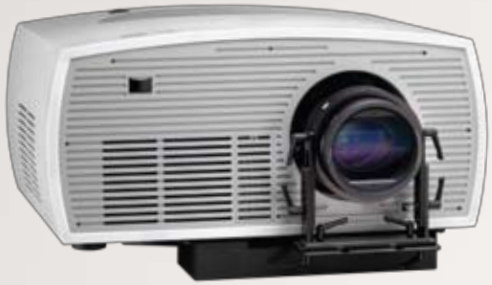
Vision Model 110



Vision Model 120 and VDP-120 Controller

CineWide™ and CineWide with AutoScope™

GOING BEYOND HOME THEATER TO TRUE HOME CINEMA



Vidikron's award winning CineWide™ and CineWide with AutoScope™ technology has created a revolution in faithful movie reproduction, transforming home theater into home cinema.

This proprietary technology provides uncompromised widescreen reproduction of movies originally filmed in the CinemaScope™ 2.35:1 format. It maintains constant vertical height on the screen just as in a movie theater. When a viewer transitions from 1.78:1 (16:9) program material to superwide 2.35:1, the image simply gets wider while full screen height is maintained, eliminating black bars.

This is done through an ingenious combination of software, electronics and precision anamorphic optics. With the AutoScope option, the anamorphic lens is motorized and remote controlled.

With CineWide the projection system is able to use the full pixel array on its DMD™ imaging chips, thereby producing a 2.35:1 image with enhanced resolution and increased brightness. No resolution or image area is lost to useless black bars on the top and bottom of the screen that contain no picture information.

CineWide and AutoScope technology is the talk of the industry.
These are among the awards and acknowledgements we have already received.

Overall Most Creative New Product

Best Video Product

Manufacturer's Excellence Award Best New Product

Electronic House Product of the Year

Best New Product

Conventional Method

A conventional 2.35:1 image displayed on a 1.78:1 (16:9) screen.

Black bars = lost resolution

CineWide™ Technology

Constant vertical height and full resolution are maintained. 100% of pixels are used. Black Bars are eliminated.

How it works:

The video processor anamorphically "stretches" the 2.35:1 image vertically to completely fill the display's imaging chips. This allows all pixels to be used.

2.35:1 Picture on a 16:9 imaging chip

VERTICAL STRETCH REMOVES BLACK BARS

16:9 Image Area

The anamorphic lens then "stretches" the image width to 2.35:1. Correct geometry is restored, while 100% of the pixels are now used to maintain full resolution and eliminate black bars.

CineWide requires the use of a 2.35:1 or similar aspect ratio superwide format screen.

VHD™ and VDP-120 Digital Video Controller/Processors with Imagix™

Vidikron's VHD™ and VDP-120 Digital Video Controller/Processors are sophisticated devices capable of providing a full range of video switching duties and projector command and control functions, in addition to incorporating advanced Imagix™ video processing.

They provide for a pure digital signal path from input to output and reside outboard of the projector chassis. This provides added flexibility by placing the Controller and its associated input connection sources in the equipment rack for easy connectivity.

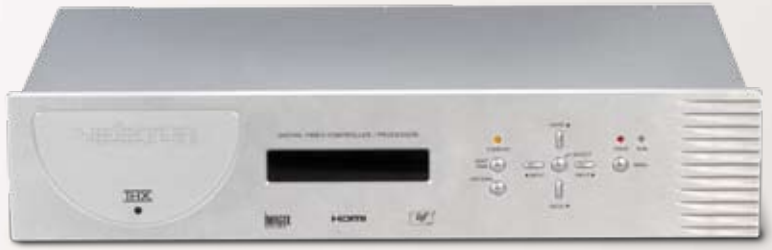
A variety of inputs include both RGB/Component and two HDMI with HDCP digital connections. Only one digital signal cable is then required for connection to the projector, simplifying installations. Discrete IR, serial RS-232 and three 12V triggers are available to handle automation interfacing.

Vidikron's exclusive Imagix™ video processing utilizes refined deinterlacing functions to handle both NTSC and ATSC interlaced video signals. The signals are then scaled as required to the native 1080p resolution of the projector. Progressive signals are routed directly to the scaling circuitry or video output as needed, maintaining maximum signal purity.

The VHD is provided with the Vision Model 140 and Vision Model 150. The VDP-120 is supplied with the Vision Model 120. The Vision Model 110 integrates all of the Controller/Processor features and functionality into the projector chassis.

VHD™ Controller included with the Vision Models 140 and 150

VDP-120 Controller included with the Vision Model 120



	VHD Controller/Processor included with the Vision Models 140 and 150
Aspect Ratios:	4:3, Letterbox, 16:9 Anamorphic, IntelliWide, Cinema, IntelliWide 2.35
Video Standards:	NTSC, PAL, ATSC
Inputs:	(1) Composite; (2) S-Video; (1) Component; (2) HD-R (Pr), G (Y), B (Pb), H, V; (2) HDMI with HDCP
Outputs:	HDMI with HDCP
Control Options:	Discrete infrared remote, (1) RS-232 9 pin connector
RS-232 Communication Parameters:	19200 bps, no parity, 8 data bits, 1 stop bit, no flow control
Trigger Outputs:	(3) +12 VDC, each rated at 750 mA and thermal fuse-protected
Bandwidth:	150 Mega Samples per Second (MSPS)
Power Requirements:	100 to 240 VAC (auto-sensing), 50/60 Hz, 160 Watts
Operating Environment:	40°F to 95°F (5°C to 35°C), 0% to 90% humidity (non-condensing)
Dimensions:	Width: 17.50 inches (444.5 mm) Depth: 11.19 inches (284.1 mm) Height: 3.75 inches (95.3 mm) Weight: 13.0 lbs. (5.90 kg)
Limited Warranty:	(2) years parts and labor from the date of delivery to the end user

	VDP-120 Controller/Processor included with the Vision Model 120
Aspect Ratios:	4:3, Letterbox, 16:9 Anamorphic, IntelliWide, Cinema, IntelliWide 2.35
Video Standards:	NTSC, PAL, ATSC
Inputs:	(1) Composite; (1) S-Video; (1) VGA; (2) HD (1 each RCA, BNC) - R (Pr), G (Y), B (Pb), H, V; (2) HDMI w/HDCP
Outputs:	DVI-D Dual Link with HDCP
Control Options:	Discrete infrared remote, (1) RS-232 (9-pin Connector)
RS-232 Communication Parameters:	19200 bps, no parity, 8 data bits, 1 stop bit, no flow control
Screen Trigger/Masking Outputs:	(3) +12 VDC, each rated at 750 mA and thermal fuse-protected
Bandwidth:	150 Mega Samples per Second (MSPS)
Power Requirements:	100 to 240 VAC (auto-sensing), 50/60 Hz, 160 Watts
Operating Environment:	40°F to 95°F (5°C to 35°C), 0% to 90% humidity (non-condensing)
Dimensions:	Width: 17.50 inches (444.5 mm) Depth: 11.19 inches (284.1 mm) Height: 3.75 inches (95.3 mm) Weight: 13.0 lbs. (5.90 kg)
Limited Warranty:	(2) years parts and labor from the date of delivery to the end user

	Vision™ Model 150	Vision™ Model 140	Vision™ Model 120	Vision™ Model 110
Projector Type:	Digital Light Processing™ (DLP™), 3-chip, 16:9 LightAmp™ DMD's™	Digital Light Processing™ (DLP™), 3-chip, 16:9 LightAmp™ DMD's™	Digital Light Processing™ (DLP™), 3-chip, 16:9 DMD's™	Digital Light Processing™ (DLP™), 3-chip, 16:9 DMD's™
Native Resolution:	1920 x 1080 (1080p)	1920 x 1080 (1080p)	1920 x 1080 (16:9)	1920 x 1080 (1080p)
Aspect Ratio:	See Controller Specs	See Controller Specs	See Controller Specs	4:3, Letterbox, 16:9 Anamorphic, IntelliWide, Cinema, IntelliWide 2.35
Video Standards:	See Controller Specs	See Controller Specs	See Controller Specs	NTSC, PAL, ATSC
DTV Compatibility:	480p, 576i, 576p, 720p, 1080i, 1080p	480p, 576i, 576p, 720p, 1080i, 1080p	480p, 576i, 576p, 720p, 1080i, 1080p	480p, 576i, 576p, 720p, 1080i, 1080p
Scan Frequency:	Horizontal: 15 – 120 KHz Vertical: 23.97 – 150 Hz	Horizontal: 15 – 120 KHz Vertical: 23.97 – 150 Hz	Horizontal: 15 – 100 KHz Vertical: 28 – 78 Hz	Horizontal: 15 – 100 KHz Vertical: 28 – 78 Hz
Picture Size (16:9 Screen):	Recommended Width: 72 – 240 in. Maximum Width: 360 in.	Recommended width = 72 to 192 in. Maximum width = 300 in.	Recommended Width: 80 – 180 in. Maximum Width: 250 in.	Recommended Width: 80 – 180 in. Maximum Width: 250 in
Throw Distance (Factor x Screen Width):	B: Zoom 1.40–1.60 C: Zoom 1.70–2.25 D: Zoom 2.40–3.97 (with CineWide 1.81 to 3.05 with 2.35:1 screen) E: Zoom 4.20 - 6.57 (with CineWide 3.20 to 5.04 with 2.35:1 screen)	B: Zoom 1.40–1.60 C: Zoom 1.70–2.25 D: Zoom 2.40–3.97 (with CineWide 1.81 to 3.05 with 2.35:1 screen) E: Zoom 4.20 - 6.57 (with CineWide 3.20 to 5.04 with 2.35:1 screen)	Lens Option A-1: Fixed .70 (for rear screen applications) Lens Option A-2: Fixed .1.155 (for rear screen applications) Lens Option B: Zoom 1.42–1.79 Lens Option C: Zoom 1.86–2.51 (with CineWide 1.42 to 1.88 with 2.35:1 screen) Lens Option D: Zoom 2.67–4.19 (with CineWide 2.03 to 3.13 with 2.35:1 screen) Lens Option E: Zoom 4.32–6.98 (with CineWide 3.15 to 5.48 with 2.35:1 screen)	Lens Option A-1: Fixed .70 (for rear screen applications) Lens Option A-2: Fixed 1.155 (for rear screen applications) Lens Option B: Zoom 1.42–1.79 Lens Option C: Zoom 1.86–2.51 (with CineWide 1.42 to 1.88 with 2.35:1 screen) Lens Option D: Zoom 2.67–4.19 (with CineWide 2.03 to 3.13 with 2.35:1 screen) Lens Option E: Zoom 4.32–6.98 (with CineWide 3.15 to 5.48 with 2.35:1 screen)
Horizontal and Vertical Offset:	Horizontal: +/- 20 to 22% Vertical: 60% above or below center of screen (Lens options B to E 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 Vidikron technical support for installation details.)	Horizontal: +/- 20 to 22% Vertical: 60% above or below center of screen (Lens options B to E 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 Vidikron technical support for installation details.)	Horizontal: +/- 12 to 13% Vertical: 28% to 32% above center of screen; 61% to 65% below center of screen (Lens options B to E 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 Vidikron technical support for installation details.)	Horizontal: +/- 12 to 13% Vertical: 28% to 32% above center of screen; 61% to 65% below center of screen (Lens options B to E 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 Vidikron technical support for installation details.)
Light Output:	CSMS™* Specifications: Home Theater Calibration: 3517 ANSI Lumens; 102 Foot-Lamberts (fL). 6000 ANSI Lumens	CSMS™* Specifications: Home Theater Calibration: 2750 ANSI Lumens; 86.5 Foot-Lamberts (fL). 4000 ANSI Lumens	CSMS™* Specifications: Home Theater Calibration: 1380 ANSI Lumens; 58.3 Foot-Lamberts (fL). 2825 ANSI Lumens	CSMS™* Specifications: Home Theater Calibration: 1380 ANSI Lumens; 58.3 Foot-Lamberts (fL). 2825 ANSI Lumens
Contrast Ratio:	CSMS* Contrast Ratio: 224:1–275:1; 1500:1–2000:1 ANSI	CSMS* Contrast Ratio: 235:1 - 275:1; 1500:1–2000:1 ANSI	CSMS* Contrast Ratio: 320:1; 4000:1 ANSI	CSMS* Contrast Ratio: 320:1; 4000:1 ANSI
Lamp:	1200W Xenon	1000W Xenon	300 Watts	300 W
Estimated Lamp Life:	1000 hours	1000 hours	2000 hours	2000 hours
Inputs:	From VHD Controller: (1) DVI with HDCP; (1) RS-232	From VHD Controller: (1) DVI with HDCP; (1) RS-232	From VDP-120 Controller: (1) DVI-D Dual Link; (1) RS-232	(1) Composite; (1) S-Video; (1) VGA; (2) HD (1 each RCA, BNC) - R (Pr), G (Y), B (Pb), H, V; (2) HDMI w/ HDCP
Control Options:	See controller specs	See controller specs	See controller specs	Discrete infrared remote, (1) RS-232 (9-pin Connector)
Screen Trigger/Masking Outputs:	See controller specs	See controller specs	See controller specs	(3) +12 VDC, each rated at 750 mA and thermal fuse-protected
Power Requirements:	200-240V AC, 50/60Hz, 2100W (Note: Will not operate with 110VAC)	100-240V AC, 50/60Hz, 1650W	100 – 240V AC, 50/60 Hz, 550 W	100 – 240V AC, 50/60 Hz, 570 W
Operating Environment:	40° – 95° F, (5° – 35° C), 0% – 90% Humidity (non-condensing)	41° – 95° F, (5° – 35° C), 0% – 90% Humidity (non-condensing)	40° – 95° F, (5° – 35° C), 0% – 90% Humidity (non-condensing)	40° – 95° F, (5° – 35° C) 0% – 90% Humidity (non-condensing)
Dimensions (w/o feet):	Width: 28 13/16 in. (731.52 mm) Depth: 25 15/16 in. (657.86 mm) Height: 13 1/2 in. (342.90 mm) Weight: 140 lbs. (63.50 kg)	Width: 28 13/16 in. (731.52 mm) Depth: 25 15/16 in. (657.86 mm) Height: 13 1/2 in. (342.90 mm) Weight: 140 lbs. (63.50 kg)	Width: 23 5/8 in. (599.69 mm) Depth: 30 5/16 in. (769.87 mm) Height: 12 3/32 in. (306.83 mm) Weight: 102 lbs. (46.27 kg)	Width: 23 5/8 in. (599.69 mm) Depth: 30 5/16 in. (769.87 mm) Height: 12 3/32 in. (306.83 mm) Weight: 108 lbs. (48.99 kg)
Limited Warranty:	Projector: Two (2) years parts and labor from the date of delivery to the end user. Lamp Warranty: 1000 hours or six (6) months, whichever comes first.	Projector: Two (2) years parts and labor from the date of delivery to the end user. Lamp Warranty: 1000 hours or six (6) months, whichever comes first.	Projector: Two (2) years parts and labor from the date of delivery to the end user. Lamp Warranty: 1000 hours or six (6) months, whichever comes first.	Projector: Two (2) years parts and labor from the date of delivery to the end user. Lamp Warranty: 1000 hours or six (6) months, whichever comes first.

*Cinema Standards Measurement System. See www.vidikron.com for more details.
Specifications are subject to change without notice. Optional ceiling mount available.

Engineered for ISF® calibration.

Going Beyond Home Theater™

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