Vision™ Series

Models 10, 15, 65, 70 & 85
DLP™ Home Theater Projectors

THX *

vidikron®
Going Beyond Home Theater™

* THX certification applies to Vision Model 85 only

Vidikron® proudly presents a full line of home theater projectors based on the latest generation of single-chip DLP™ light engines. Each produces outstanding blacks, superior contrast performance, maximum screen brightness and an accurate color palette.

Six models offer a choice of features and resolutions and all include Vidikron's exclusive Imagix® video processing technology to enhance picture quality and provide artifact-free scaling. Vidikron's sophisticated parameters for white balance and color gamut control have also been implemented for precise balance of gray scale and color space.

Every model has been engineered to comply with the Imaging Science Foundation™ (ISF) standards for proper setup and calibration ensuring maximum home theater image quality. Also common to each is a custom-friendly RS-232 interface with discrete power on/off, discrete input selection and discrete aspect ratio control with IntelliWide® to accommodate any automation system.

The Vision™ Model 85 is the most high-performance single-chip DLP™ 1920 x 1080 (1080p) projector available. Its performance is so impressive that the Vision™ Model 85 earns prestigious THX® certification, joining our flagship Vidikron products as the world's first to be THX certified.

The Vision™ Model 85 incorporates a state-of-the-art light engine with Vidikron's exclusive V2 Aperture Control™ enabling an ideal balance between black and white levels for each individual installation.

Complementing these features is award-winning CineWide™ or CineWide with AutoScope™, which make 2.35:1 superwide movies come to life, filling the entire screen without black bars and no loss of resolution.

Vision Model 85 and VHD Controller

Vision Model 70

Vision Model 65

The Vision™ Model 70 is a 1080p projector designed to deliver the highest level of performance with expanded installation flexibility.

It features a newly designed lamp-cooling system, integrated with our DualV Stage Illumination (DVSI™) system for multiple lamp intensity levels.

Vidikron's exclusive V2 Aperture Control™ and electronically-controlled iris system are included and the projector's precision optics package features power zoom (accessible via remote control), power focus and comprehensive electronic lens shift.

Vidikron's award-winning CineWide™ and CineWide™ with AutoScope™ technology options revolutionize the 2.35:1 movie viewing experience, eliminating those useless black bars for full, screen-filling enjoyment.

The Vision Model 65 has been engineered to produce the top-quality 1080p picture performance and installation flexibility commonly associated with projectors costing far more.

V2 Aperture Control™ features an electronically-controlled iris system and power zoom control and motorized vertical lens shift adjustment make installation smooth and easy.

DVSI™ provides two selectable lamp intensity levels while a newly refined lamp cooling system increases efficiency and reduces noise levels.

The Vision Model 65 is Vidikron's most affordable 1080p projector offering the ultimate Vidikron technology options – CineWide and CineWide with AutoScope.

The Vision Model 15 and the extended throw distance Vision Model 15ET use 1280 x 720 native resolution DLP™ light engines featuring Vidikron's advanced technology for bright, pristine, high-definition images.

Both the Vision Model 15 and 15ET feature horizontal and vertical lens shift, providing the kind of installation flexibility custom specialists need. The Vision Model 15ET is also available with Vidikron's acclaimed CineWide technology. The Vision Model 10 boasts this same full-featured performance and Vidikron picture quality at a resolution of 1024 x 576.

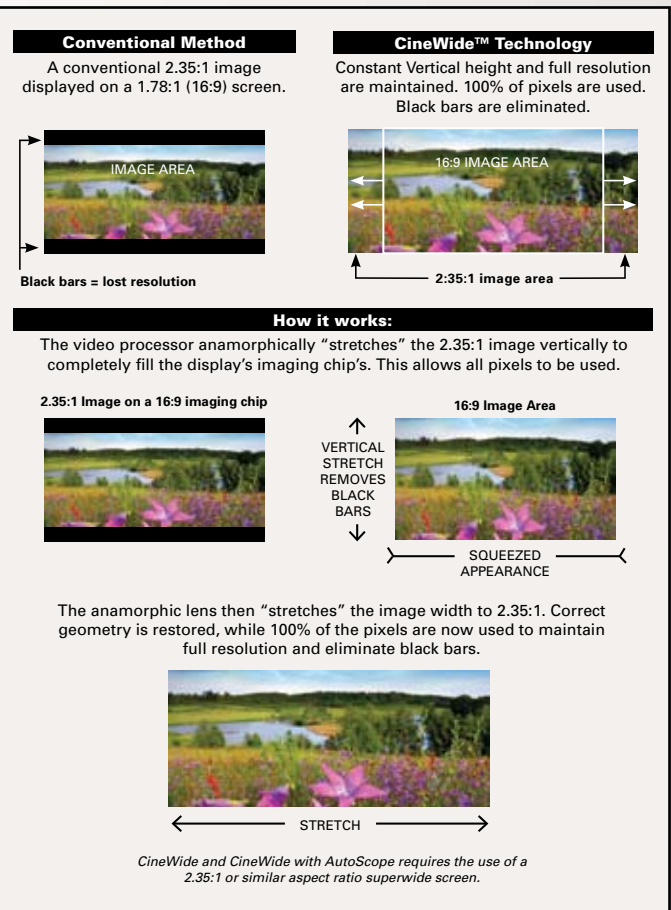**Vision Model 15/15ET**

Vision Model 10

CineWide™ and CineWide with AutoScope™

Until now, viewing movies presented in the CinemaScope™ 2.35:1 format has meant the presence of useless black bars on the top and bottom of your screen. It has also meant a possible loss of resolution because widescreen digital imaging chips are in the 16:9 widescreen aspect ratio, not nearly as wide as 2.35:1.

Through the magic of Vidikron's award winning CineWide and CineWide with AutoScope technology and the use of an appropriate screen, constant vertical height is maintained, filling the entire screen area. When you transition from a standard 16:9 (1.78:1) widescreen aspect ratio to 2.35:1 Cinema, the picture simply gets wider—really wide, just as you would experience in a quality cinema.

While CineWide provides a fixed anamorphic lens, with the AutoScope option the anamorphic lens in motorized and remote controlled.

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

IMAGE AREA

Black bars = lost resolution

CineWide™ Technology
Constant Vertical height and full resolution are maintained. 100% of pixels are used. Black bars are eliminated.

16:9 IMAGE AREA

2:35:1 image area

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

2.35:1 Image on a 16:9 imaging chip

16:9 Image Area

VERTICAL STRETCH REMOVES BLACK BARS

SQUEEZED APPEARANCE

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.

STRETCH

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

	Vision™ Model 85	Vision™ Model 70	Vision™ Model 65	Vision™ Model 15/15ET	Vision™ Model 10
Projector Type:	Digital Light Processing™ (DLP™), Single-Chip DMD™	Digital Light Processing™ (DLP™), Single-Chip DMD™	Digital Light Processing™ (DLP™), Single-Chip DMD™	Digital Light Processing™ (DLP™), Single-Chip DMD™	Digital Light Processing™ (DLP™), Single-Chip DMD™
Native Resolution:	1920 x 1080 (16:9)	1920 x 1080 (16:9)	1920 x 1080 (16:9)	1280 x 720	1024 x 576
Aspect Ratio:	See Controller Specs	4:3, Letterbox, 16:9 Anamorphic, IntelliWide®, Cinema, IntelliWide 2.35	4:3, Letterbox, 16:9 Anamorphic, IntelliWide, Cinema, IntelliWide 2.35	4:3, Letterbox, 16:9 Anamorphic, IntelliWide, Cinema, IntelliWide 2.35	4:3, Letterbox, 16:9 Anamorphic, IntelliWide, Cinema, IntelliWide 2.35
Video Standards:	See Controller Specs	NTSC, PAL, SECAM, ATSC	NTSC, PAL, ATSC	NTSC, PAL, ATSC	NTSC, PAL, ATSC
DTV Compatibility:	480i, 480p, 576i, 576p, 720p, 1080i, 1080p	480i, 480p, 576i, 576p, 720p, 1080i, 1080p	480i, 480p, 576i, 576p, 720p, 1080i, 1080p	480i, 480p, 576i, 576p, 720p, 1080i, 1080p	480p, 576i, 576p, 720p, 1080i
Picture Size (16:9 Screen):	Recommended Width: 72 in. (1.83 m) to 96 in. (2.44 m) Maximum width 200 in. (5.08 m)	Recommended Width: 72 in. (1.83 m) to 96 in. (2.44 m) Maximum width 200 in. (5.08 m)	Recommended Width: 72 in. (1.83 m) to 96 in. (2.44 m) Maximum width 200 in. (5.08 m)	Recommended Width: 72 in. (1.83 m) to 96 in. (2.44 m) Maximum width 150 in. (3.81 m)	Recommended Width: 72 in. (1.83 m) to 96 in. (2.44 m) Maximum width 150 in. (3.81 m)
Throw Distance (Factor x Screen Width):	Zoom 1.86–2.45 (With CineWide 1.92–2.45 with 2.35:1 screen) (CineWide with AutoScope please contact Vidikron sales and tech support for info)	Zoom 1.58–1.90 (with CineWide 1.85–1.90 with 2.35:1 screen) (with CineWide with AutoScope 1.25–1.51 with 2.35:1 screen)	Zoom1.87–2.18 CineWide Option 1: (1.87–2.18:1 in 2.35:1 aspect) CineWide Option 2: (1.55–1.67:1 in 2.35:1 aspect) CineWide Option 3: (1.42–1.58:1 in 2.35:1 aspect) CineWide with AutoScope Option 1: (1.55–1.67:1 in 2.35:1 aspect) CineWide with AutoScope Option 2: (1.42–1.58:1 in 2.35:1 aspect)	Vision Model 15: Zoom 1.42–1.68 Vision Model 15ET: Zoom 1.72–2.08	Zoom 1.40–1.60
Horizontal and Vertical Offset:	Horizontal: None Vertical: 50% of screen height up or down	Horizontal: None Vertical (when projector is inverted): Up = 40% of screen height above lens center Down = 50% of screen height below lens center	Vertical shift: Up to 120% above and 80% below from screen center	Horizontal shift: Up to 8% from center of screen, Vertical shift: Up to 40% above and 60% below from screen center	Horizontal shift: Up to 8% from center of screen, Vertical shift: Up to 40% above and 60% below from screen center
Light Output:	CSMS* Specifications: Home Theater Calibration: 430–648 ANSI Lumens; 16.1–25.2 Foot-Lamberts (fL) 1600 ANSI Lumens	CSMS* Specifications: Home Theater Calibration: 451–589 ANSI Lumens; 14.8–21.7 Foot-Lamberts (fL) 1290 ANSI Lumens	CSMS™* Specifications: Home Theater Calibration: 436–541 ANSI Lumens; 13.6–19.7 Foot-Lamberts (fL); 1200 ANSI Lumens	CSMS™* Specifications: Home Theater Calibration: 417 ANSI Lumens; 16.1 Foot-Lamberts (fL); 850 ANSI Lumens*	CSMS™* Specifications: Home Theater Calibration: 410 ANSI Lumens; 15.9 Foot-Lamberts (fL); 780 ANSI Lumens*
Contrast Ratio:	CSMS* Contrast Ratio: 215:1–234:1; 2700:1–3350:1	CSMS* Contrast Ratio: 200:1–230:1; 1550:1–3250:1	200:1–220:1 CSMS* 3000:1	CSMS* Contrast Ratio: 200:1; 3000:1	CSMS* Contrast Ratio: 219:1; 2400:1
Lamp:	220 Watts	250W	200W UHP	230W UHP	250W NSH
Estimated Lamp Life:	2000 hours	2000 hours	2500 hours	2000 hours	2000 hours
Inputs:	(1) HDMI with HDCP, (1) RS-232	(1) Composite Video, (1) S-Video, (1) RGB/Component Video (BNC connectors), (1) RCA Component Video, (1) HDMI, (1) RS-232	(2) HDMI, (1) Composite, (1) S-Video, (1) Component (RCA x3), (1) RGB/Component (BNC x 5), (1) RS-232 (RJ-11)	(1) Composite Video, (1) S-video, (1) RCA Component Video, (1) HDMI w/HDCP, (1) RS-232	(1) Composite Video, (1) S-video, (2) RCA Component Video, (1) HDMI w/HDCP, (1) VGA, (1) RS-232
12V Output	See controller specs	250mA, active when Cinema or Cinema Fill Aspect Ratio is selected (Vision 70/CineWide with AutoScope only) or when projector is turned on; Tip = +12V; Sleeve = Ground	(1) 12V DC, 250mA (3.5mm mini-jack)	250mA, active when the projector is turned on	250mA, active when the projector is turned on
Power Requirements:	100 to 240 VAC (auto-sensing), 50/60 Hz, 375 Watts	100 to 240 V AC, 50/60 Hz, 330 W	100 - 240V VAC (auto-sensing), 50/60 Hz, 340W	100 to 240V AC, 50/60Hz, 370W	100 to 240V AC, 50/60Hz, 370W
Operating Environment:	40°F to 95°F (5°C to 35°C), 0% to 90% humidity (non-condensing)	41° to 95° F, (5° to 35° C), 20%–80% Humidity (non-condensing)	40°F to 95°F (5° to 35°C); 10–80% humidity (non-condensing)	40°F to 95°F (5° to 35°C); 20–80% humidity (non-condensing)	40°F to 95°F (5° to 35°C); 20–80% humidity (non-condensing)
Dimensions (w/o feet):	Width: 22.80 in. (579.12 mm) Depth: 21.60 in. (548.64 mm) Height: 7.50 in. (190.5 mm) Weight: 50 lbs. (22.68 kg)	Width: 22.00 in. (558.80 mm) Depth: 19.00 in. (462.60 mm) Height: 9.00 in. (228.60 mm) Weight: 46.50 lbs. (21.09 kg)	Width: 19 11/16 in. (500.06 mm) Depth: 18 1/4 in. (462.50 mm) Height: 8 15/16 in. (224.77 mm) Weight: 34 lbs. (15.42 kg) (with standard lens)	Width: 15.66 in. (398.00 mm) Depth: 16.99 in. (431.60 mm) Height: 6.40 in. (163.57 mm) Weight: 27 1/2 lbs. (12.47 kg) (without lens)	Width: 15 11/16 in. (398.27 mm) Depth: 16 15/16 in. (430.00 mm) Height: 6 7/16 in. (163.57 mm) Weight: 27 1/2 lbs. (12.47 kg) (without lens)
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.	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.

Vision Model 85 VHD Controller/Processor

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

IMAGIX® DIGITAL VIDEO   isf® Engineered for ISF® calibration.   Installer Dependent   THX

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

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