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DIGITAL PROJECTION
A Delta Group Company

E-Vision Laser 13000 WU

12,000 ANSI / 13,500 ISO Lumens | Contrast Ratio: 10,000:1 (Dynamic Black) 1,000:1 native | Part Number: 119-734

Key Specifications:

Colour System:	Blue and Red Lasers with Phosphor wheel and 3-segment colour wheel
Display Type:	1 x 0.67" DarkChip™ DMD™
DMD Specification:	1920 x 1200 pixels native display. Fast transit pixels for smooth greyscale and improved contrast.
Aspect Ratio:	16x10
Fill Factor	87%
Key Features:	**Red Laser Assist** • Uses blue and red laser diodes for increased colour fidelity and highly accurate colurs **Video & Graphics Processing** • HDMI 1.4b for Side by Side, Frame Packing, Frame Sequential & Top Bottom 3D formats. • Dual Flash Processing can be used to multiply the displayed frame rate for 3D sources • Dual Pipe Processing: Two sources in parallel for Left and Right eyes. • Synchronisation of active glasses. • 3GSDI with loop-through. • 24p and 1080p native display. • DICOM simulation mode. **Geometry Correction**

	• Cornerstone, Vertical & Horizontal Keystone, Pincushion & Barrel, and Image Rotation. • Blanking control for custom input window sizing. • Scaling for fixed aspect ratio screens. **Edge Blending** • For independent edge and blend width adjustment. **Picture in Picture** • Two sources can be displayed either one within the other (PIP), or side by side, with original aspect ratios maintained. **HDBaseT® Interface** • Built in support for reception of uncompressed High Definition Video over standard CAT5e/6 LAN cable. • Allows the projector to be placed up to 100m from the source with low cost cabling. **Colour Processing** • Powerful seven point colour correction for accurate colour matching. **Projector Controller Software** • Intuitive user interface for network control • Simultaneous control of user-defined groups of projectors • At-a-glance monitoring of projector status **Projector Automation** • Real-time clock provides daily on/off automation. **Projector Maintenance Features** • Sealed optics. • Long life 20,000 hour illumination.
Source Compatibility	3GSDI is SMPTE 292M, SMPTE 259M-C and SMPTE 424M compliant. HDMI including Deep Color™ processing. Graphics standards up to 1920 x 1200 resolution at 60Hz via HDMI, DisplayPort or VGA. Component Video (SD and HD) via RGBHV.
Inputs/Outputs	

Video & Computer			Communication & Control		
Type	Connector	Qty	Type	Connector	Qty
DVI-D 1.0 DisplayPort 1.1a HDMI 1.4b 3G-SDI in 3G-SDI out VGA / Analog RGB VGA Monitor out Component Video HDBaseT (see LAN)	DVI DisplayPort HDMI BNC BNC 15-pin D-Sub 15-pin D-Sub 5 x BNC LAN RJ45	1 1 2 1 1 1 1 1 1	3D Sync Out 3D Sync In LAN RS232 Wired Remote 12V Trigger **NOTE: The LAN port is shared with HDBase-T.**	BNC BNC RJ45 9-pin D-Sub 3.5mm Stereo Jack 3.5mm Stereo Jack	1 1 1 1 1 2

3D Formats Supported	Frame Packing

	Dual Pipe Frame Sequential Side By Side (half) Top and Bottom
HDTV Formats Supported	1080p (24Hz, 25Hz, 30Hz, 50Hz, 60Hz),1080i (50Hz, 60Hz), 720p (50, 60Hz)
Computer Compatibility	Up to 1920 x 1200
Bandwidth	165 MHz on analog RGB 165 Megapixels per second on HDMI
Remote Control	Addressable IR remote control, wireless and wired. On-Board keypad.
Automation Control	Crestron RoomView® Connected PJLink Class 1 LAN RS-232 AMX (Device Discovery) Served web page
Colour Temperature	3200 to 9300K
Operation	
illumination Type	Blue and Red Laser Light Source
Typical illumination Life	20,000 hours

Lenses

Lens	Part No.	Optimised Focus Range*	Lens Shift (Frame)
0.38 :1 fixed	117-341	0.68m - 2.44m	Depends on image size, see Installation Guide.
0.75 - 0.93 :1 zoom	115-339	1.02m - 12.7m	Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1(L) 0.2 (R) frame
0.76 :1 fixed	112-499	0.81m - 5.08m	none
1.25 - 1.79 :1 zoom	112-500	1.33m - 11.73m	Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1(L) 0.2 (R) frame
1.73 - 2.27 :1 zoom	112-501	1.83m - 14.9m	Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1(L) 0.2 (R) frame
2.22 - 3.67 :1 zoom	112-502	2.36m - 24.2m	Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1(L) 0.2 (R) frame
3.58 - 5.38 :1 zoom	112-503	3.8m - 35.35m	Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1(L) 0.2 (R) frame
5.31 - 8.26 :1 zoom	112-504	5.59m - 54.8m	Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.1(L) 0.2 (R) frame

* Lens focal ranges above are the optimised distances but are likely to focus further, please

	contact your RSM for more details. Lens ratio tolerances: E-Vision Series: +/-3%. HighLite Series: +/- 5%. M-Vision Series: +/- 2%. Titan Series: +/-2%, INSIGHT Series: +/-2%,
Lens Mount	Motorised and programmable shift, zoom and focus. Intelligent Lens Memory with 10 user-definable preset positions (except UST lens).
Mechanical Mounting	Front/Rear Table Front/Rear Ceiling Adjustable Front/Rear Feet
Orientation	**Table Top or Inverted:** Yes **Pointing Up:** Yes **Pointing Down:** Yes **Roll (Portrait):** Yes
Power Requirements	200-240VAC 50/60Hz single phase 7.8A 100-130VAC 50/60Hz single phase 11.5A **Note: that in 100-130VAC operation, the projector will be at 70% brightness**
Power Consumption	Typical 1470W @ 240VAC in Normal mode Typical 1220W @ 240VAC in ECO mode Typical 1510W @ 240VAC in High Altitude mode Typical 1060W @ 110VAC in Normal mode Typical 1050W @ 110VAC in ECO mode Typical 1110W @ 110VAC in High Altitude mode
Thermal Dissipation	Typical 5016 BTU/Hour @ 240VAC in Normal mode Typical 4163 BTU/Hour @ 240VAC in ECO mode Typical 5152 BTU/Hour @ 240VAC in High Altitude mode Typical 3617 BTU/Hour @ 110VAC in Normal mode Typical 3583 BTU/Hour @ 110VAC in ECO mode Typical 3787 BTU/Hour @ 110VAC in High Altitude mode
Fan Noise	Normal mode: 48 dBA Max, 46 dBA Typical Eco mode: 44 dBA Max, 42 dBA Typical High Altitude Normal mode: 59 dBA Max, 57 dBA Typical High Altitude Eco Mode: 59 dBA Max, 57 dBA Typical
Operating/Storage Temperature Operating:	Operating: 0 to 35C (32 to 95F) Operating: 35 to 40C (95 to 104F) w/ reduced light output Storage: -20 to 60C (-4 to 140F)
Operating Humidity	10 to 90% relative, non-condensing
Weight	31 kg / 68.3 lbs
Dimensions	L: 59.83 cm x W: 50 cm x H: 21.85 cm L: 23.55 in x W: 19.68 in x H: 8.60 in
Safety & EMC Regulations	UL / cUL, BIS, CB, CCC, KC, FCC (Part 15) Class A, FDA (Accession Number),CE, RoHS 2, IEC EN 60825-1-2014 Class 3R Laser Product, IEC EN 60825-1-2007 Class 1 Laser Product IEC EN 62471-5-2015 Risk Group 3
Accessories	<table><tr><td>Accessory</td><td>Part No.</td></tr><tr><td>Infrared Remote (replacement)</td><td>117-780</td></tr></table> **Dimensions included for reference only and are subject to change. Please download the full set of CAD files for this display for more accurate information.*
Downloads	PDF CAD Drawings

	AUTOCAD Drawings STEP / IGS Drawings Lens CAD Drawings
User Guide	User Guides User Guides (German) User Guides (French) Laser Risk Group Document Important Information Important Information (German) Important Information (French) Control Protocol Ultra Short Throw Lens Ultra Short Throw Lens Installation Guide

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Certificate Number 13629
ISO 9001