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DIGITAL PROJECTION
Delta Associate Company

E-Vision Laser 15000 WU

15,000 ISO / 13,500 ANSI Lumens | Contrast Ratio: 10,000:1 (Dynamic Black) 1,000:1 native | Part Number: 120-994

Key Specifications:

Colour System:	Blue and Red Lasers with Phosphor 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 colours **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. • Triple Flash processing for 24Hz 3D input (Frame Packed and Dual Pipe 3D) • 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

- Four Corners, Vertical & Horizontal Keystone, Pincushion & Barrel, Arc and Image Rotation.
- Non Linear Warp.
- Blanking control for custom input window sizing.
- Digital zoom, pan and scan.
- Scaling available for fixed aspect ratio screens and independent input aspect ratios.

Edge Blending

- For independent edge and blend width adjustment.
- Correction for non-active pixels at the edge of the display.
- Electronic black level compensation.

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.
- Selectable default colour gamut

Projector Control

- Intuitive user interface for network control

PC Projector Controller Application for:

- Simultaneous control of user-defined groups of projectors
- At-a-glance monitoring of projector status
- Served web pages for browser monitoring and control access from PC's and Smart phones

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	DVI	1	3D Sync Out	BNC	1
DisplayPort 1.1a	DisplayPort	1	3D Sync In	BNC	1
HDMI 1.4b	HDMI	2	LAN	RJ45	1
	BNC	1	RS232	9-pin D-Sub	1

3G-SDI in 3G-SDI out VGA / Analog RGB VGA Monitor out Component Video HDBaseT (see LAN)	BNC 15-pin D-Sub 15-pin D-Sub 5 x BNC LAN RJ45	1 1 1 1 1	Wired Remote 12V Trigger USB Power 5V/2A **NOTE: The LAN port is shared with HDBase-T.** **NOTE: USB Power only for WHDI interfaces.**	3.5mm Stereo Jack 3.5mm Stereo Jack USB Type A	1 2 1

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 2560 x 1600 RB displayed within WUXGA
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	PJLink Class 1 LAN RS-232 AMX (Device Discovery) Served web page Crestron Connected ART-NET control
Colour Temperature	3200 to 9300K
Operation	
illumination Type	Blue and Red Laser Light Source
Typical illumination Life	20,000 hours

Lenses

Lens	Part No.	Lens Shift (Frame)	Optimised Focus Range*
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 8.2A 100-130VAC 50/60Hz single phase 11.9A Note: that in 100-130VAC operation, the projector will be at 65% brightness
Power Consumption	Typical 1570W @ 240VAC in Normal mode Typical 1025W @ 110VAC in Normal mode
Thermal Dissipation	Typical 5357 BTU/Hour @ 240VAC in Normal mode Typical 3497 BTU/Hour @ 110VAC in Normal mode
Fan Noise	Normal mode: 48 dBA Max, 46 dBA Typical Eco mode: 45 dBA Max, 43 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	29.5 kg / 65 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, 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	

Accessory	Part No.
Infrared Remote (replacement) Lens Hood (Required in the USA for FDA Compliance with lenses 112-503 & 112-504)	117-880 121-867

	**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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ISO 9001

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