Click to Print This Page

DIGITAL PROJECTION
A Delta Associate Company

Specification Sheet

E-Vision Laser 10K

10,000 ANSI / 11,250 ISO Lumens | Contrast Ratio: 10,000:1 (Dynamic Black) 1,000:1 native | Part Number: 119-028

10,000 ANSI / 11,250 ISO Lumens | Contrast Ratio: 10,000:1 (Dynamic Black) 1,000:1 native | Part Number: 119-028

Colour System:	DMD Specification:
Laser Phosphor + 4-segment (RGBW) colour wheel for high brightness	1920 x 1200 pixels native display. Fast transit pixels for smooth greyscale and improved contrast. **Aspect Ratio:** 16x10 **Fill Factor** 87%
Display Type: 1 x 0.67" DarkChip™ DMD™	

Key Features

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

Type	Connector	Qty
DVI-D 1.0	DVI	1
DisplayPort 1.1a	DisplayPort	1
HDMI 1.4b	HDMI	2
3G-SDI in	BNC	1
3G-SDI out	BNC	1
VGA / Analog RGB	15-pin D-Sub	1
VGA Monitor out	15-pin D-Sub	1

Communication & Control

Type	Connector	Qty
3D Sync Out	BNC	1
3D Sync In	BNC	1
LAN	RJ45	1
RS232	9-pin D-Sub	1
Wired Remote	3.5mm Stereo Jack	1
12V Trigger	3.5mm Stereo Jack	2
USB Power 5V/2A	USB Type A	1

Component Video	5 x BNC	1	**NOTE: The LAN port is shared with HDBase-T.** **NOTE: USB Power only for WHDI interfaces.**
HDBaseT (see LAN)	LAN RJ45	1	

3D Formats Supported	HDTV Formats Supported
Frame Packing Dual Pipe Frame Sequential Side By Side (half) Top and Bottom	1080p (24Hz, 25Hz, 30Hz, 50Hz, 60Hz),1080i (50Hz, 60Hz), 720p (50, 60Hz)
Computer Compatibility	**Bandwidth**
Up to 1920 x 1200	165 MHz on analog RGB 165 Megapixels per second on HDMI
Remote Control	**Automation Control**
Addressable IR remote control, wireless and wired. On-Board keypad.	Crestron RoomView® Connected PJLink Class 1 LAN RS-232 AMX (Device Discovery) Served web page
Colour Temperature	**Operation**
3200 to 9300K	
illumination Type	**Typical illumination Life**
Laser Light Source	20,000 hours

Lenses

Lens	Part No.	Optimised Focus Range*	Lens Shift
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	Orientation
Front/Rear Table Front/Rear Ceiling Adjustable Front/Rear Feet	**Table Top or Inverted:** Yes **Pointing Up:** Yes **Pointing Down:** Yes **Roll (Portrait):** Yes
Power Requirements	**Power Consumption**
100-240VAC 50/60Hz single phase	Typical 1215W @ 240VAC in Normal mode Typical 960W @ 240VAC in ECO mode Typical 1270W @ 110VAC in Normal mode Typical 1000W @ 110VAC in ECO mode
Thermal Dissipation	**Fan Noise**
Typical 4146 BTU/Hour @ 240VAC in Normal mode Typical 3276 BTU/Hour @ 240VAC in ECO mode	Normal mode: 42 dBA Typical Eco mode: 39 dBA Typical

Typical 4334 BTU/Hour @ 110VAC in Normal mode
Typical 3412 BTU/Hour @ 110VAC in ECO mode

Operating/Storage Temperature	Operating Humidity
Operating: 0 to 40C (32 to 104F) Operating: 40 to 45C (104 to 113F) w/ reduced light output Storage: -20 to 60C (-4 to 140F)	10 to 90% relative, non-condensing
Weight (Chassis Only)	**Dimensions**
28 kg 62 lb	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	
CB, CE, FCC Class 1, KC, UL/cUL, CCC, RoHS 2 IEC EN 60825-1 Class 3R Laser Product, IEC EN 62471-5 Risk Group 2	

Accessories

Accessory	Part No.
Infrared Remote (replacement)	117-780

**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 Guides
User Guides (German)
User Guides (French)
User Guides (Korean)
Laser Risk Group Document
Important Information
Control Protocol
Ultra Short Throw Lens
Ultra Short Throw Lens Installation Guide

ISOQAR REGISTERED UKAS MANAGEMENT SYSTEMS 0026
Certificate Number 13629
ISO 9001

Specifications subject to change without notice. ©2020 Digital Projection.
DLP®, Digital Light Processing™ and DMD are trademarks of Texas Instruments, Inc

DIGITAL PROJECTION, LTD GREENSIDE WAY, MIDDLETON
MANCHESTER, UK. M24 1XX
T: +44.161.947.3300 | F: +44.161.684.7674 | www.digitalprojection.co.uk

DIGITAL PROJECTION, INC 55 CHASTAIN ROAD, SUITE 115 KENNESAW, GA. 30144
T: 770.420.1350 } F: 770.420.1360 | www.digitalprojection.com

DIGITAL PROJECTION, CHINA Rm A2301,Shaoyaoju 101 North Lane,Shi Ao International Center,Chaoyang District,Beijing 100029,PR China
T: +86.10.58239771 | F: +86 10 58239770