DIGITAL **PROJECTION**

E-Vision 16000i
DIGITAL PROJECTOR

THE VISIONARIES CHOICE

E-Vision 16000i WU (Preliminary)

16,000 ISO / 14,500 ANSI Lumens | Contrast Ratio: 20,000:1 (Dynamic Black) | Part Number: 123-523

Key Specifications:

Colour System:	Laser Phosphor with Colorboost (Red Laser). Phosphor wheel: 2 x 7200rpm (120Hz) Colour wheel: 4 Segment RGBY 2 x 7200rpm (120Hz)
Display Type:	1 x 0.8" HEP DMD™ (High Efficency Pixel)
DMD Specification:	1920 x 1200 pixels native display. Fast transit pixels for smooth greyscale and improved contrast.
Aspect Ratio:	16x10
Fill Factor	
Key Features:	**Video & Graphics Processing** • Nexus electronics platform • HDMI 2.0 • DisplayPort 1.2 • 10-bit colour processing (30-bits per pixel) 1,073,741,824 colours • Hue, Saturation and Gain colour management. • 24p and 1080p native display. • HDR support • Input source automaticaly detected • Selectable Dynamic Black • Syncronisation of active glasses or polarising switcher.

- DICOM simulation mode
- Optics engine sealed to IP6X

Geometry Correction

- Vertical & Horizontal Keystone correction
- Four Corner adjustment
- Rotation -100 to +100 with +/- 0.25° per step
- Selectable aspect ratios: 5:4 / 4:3 / 16:10 /16:9 / 1.88 / 2.35 / TheaterScope / Source / Unscaled
- Digital Zoom 0% ~ 100%
- Blanking control for custom input window sizing.
- Scaling for fixed aspect ratio screens.16:10 / 16:9 / 4:3 / 2.35:1
- Custom warp

Edge Blending

- Correction for non-active pixels at the edge of the display.

HDBaseT® Interface

- Built in support for transmission 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.
- HDBaseT® Includes Ethernet 100BaseT and RS232/IR control.

Colour Processing

- Powerful seven point colour correction for accurate colour matching.

Projector LAN Control

- Free Digital Projection Projector Controller II software
- Intuitive user interface for network control.
- At-a-glance monitoring of projector status.
- Simultaneous control of user-defined groups of projectors.

Source Compatibility	3G-SDI is SMPTE 292M, SMPTE 259M-C and SMPTE 424M compliant.
	Graphics standards up to WQXGA 2560 x 1600 60 Hz RB (DisplayPort)
	Video standards up to HDTV 1080p - 60Hz, with support for 4K-UHD (3840 x 2160) 60Hz
	Display Support for 3840 x 2160 (4K-UHD) up to 60Hz and 4096 x 2160 (4K) up to 60Hz

Inputs/Outputs

Video & Computer		
Type	Connector	Qty
HDMI 2.0 (HDCP compatible)	HDMI	2
DisplayPort 1.2	DisplayPort	2
HDBaseT	8P8C "RJ45"	1
3G-SDI in	BNC	1
3G-SDI out	BNC	1

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Communication & Control

Type	Connector	Qty
3D Sync In	BNC	1
3D Sync Out (loop through)	BNC	1
3D Sync Out for IR	BNC	1
LAN / Art-Net	EtherCON RJ45	1
HDBaseT/Ethernet/RS232/IR	RJ45	1
Serial In RS-232C	9-pin D-Sub	1
Serial Out RS-232C	9-pin D-Sub	1
Wired Remote In	3.5mm Stereo Jack	1
Wired Remote Out	3.5mm Stereo Jack	1
12V Trigger 12V 350mA	3.5mm Stereo Jack	1
USB Power out 5V/2A	USB Type A	1

3D Formats Supported	Off Auto Side by Side Top and Bottom Dual Pipe Frame Sequential
HDTV Formats Supported	SDTV (480i, 576i), EDTV (480p, 576p), HDTV (720p, 1080i, 1080p), NTSC (M, 3.58/4.43 MHz), PAL (B,D,G,H,I,M,N), SECAM (B,D,G,K,K1,L) Display Support for 2K 2048 x 1080 up to 60Hz and 4K-UHD 3840 x 2160 up to 60Hz
Computer Compatibility	VGA, SVGA, XGA, SXGA, SXGA+, UXGA, WUXGA up to 120hz RB, Mac
Bandwidth	
Remote Control	Infrared Remote Control Unit
Automation Control	LAN - Webpage control TCP/UDP control RS-232 Alert Mail for Projector LAN Control-Crestron® Connected LAN Control-PJ Link Class 1 compatible LAN Control-AMX® Device Discovery Art-Net (DMX) control
Colour Temperature	User selectable (3200K/ 5400K / 6500K / 7500K / 9300K / Native)
Operation	
illumination Type	Laser Phosphor. ECO mode support (80% Brightness)
Typical illumination Life	20,000 hours

Lenses

Lens	Part No.	Optimised Focus Range*	Lens Shift (Frame)
0.31 - 0.33:1 zoom	124-318	0.38 - 3.01m	Vert: +/- 50% Hor: +/- 20%
0.55 - 0.75:1 zoom	124-319	0.69 - 6.58m	Vert: +/- 50% Hor: +/- 20%
0.74 - 1.08:1 zoom	124-320	0.75 - 12.19m	Vert: +/- 50% Hor: +/- 20%
1.05 - 1.41:1 zoom	124-321	1.06 - 18.94m	Vert: +/- 60% Hor: +/- 20%

1.4 - 2.11:1 zoom	124-322	1.47 - 27.86m	Vert: +/- 60% Hor: +/- 20%
2.1 - 4.0:1 zoom	124-323	2.24 - 54.19m	Vert: +/- 60% Hor: +/- 20%
3.0 - 4.52:1 zoom	112-503	2.53 - 47.2m	Vert: +/- 45% Hor: +/- 10%
4.46-6.94:1 zoom	112-504	3.71 - 76.7m	Vert: +/- 45% Hor: +/- 10%

* 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	Centred lens for installation flexability 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 Ceiling Mount compatible chassis with 6 off M4*0.7 mounting holes available, Maximum screw length 16mm
Orientation	**Table Top or Inverted:** Yes **Pointing Up:** Yes **Pointing Down:** Yes **Roll (Portrait):** Yes
Power Requirements	100-240VAC 50/60Hz single phase 6.8A
Power Consumption	900W (Max)
Thermal Dissipation	At 100VAC - Typical 3276 BTU/hr, Max 3604 BTU/hr in Normal mode At 100VAC - Typical 2595 BTU/hr, Max 2853 BTU/hr in Eco mode At 100VAC - Typical 2662 BTU/hr, Max 2928 BTU/hr in High Altitude Mode At 220VAC - Typical 3174 BTU/hr, Max 3492 BTU/hr in Normal mode At 220VAC - Typical 2491 BTU/hr, Max 2740 BTU/hr in Eco mode At 220VAC - Typical 2560 BTU/hr, Max 2816 BTU/hr in High Altitude Mode
Fan Noise	Normal mode: 39 dBA typical, Max 41 dBA Eco Mode: 36 dBA typique / Max 38 dBA
Operating/Storage Temperature Operating:	Operating: 0 to 40 °C (32 to 104 °F) Force ECO over 35°C (95°°F)
Operating Humidity	90% (with maximum temperature of 35°C (95°F)
Weight	29.4 kg / 64.8 lbs
Dimensions	L: 598mm x W: 500mm x H:218mm L: 23.54 inch x W: 19.68 inch x H: 8.58 inch
Safety & EMC Regulations	cTUVus, CB report, CCC (China), CECP (China Energy Conservation Program), China RoHS, FCC part 15 Class A, FDA 21 CFR part 1040 (Except with respect to those characteristics authorised by Variance Number 2021-V-0192, CE (European Economic Area), UKCA (United Kingdom), KC (Korea), BSMI (Taiwan), RCM (Australia),IEC 60825-1 : 2014 - Class 1 Laser Product, IEC EN 62471-5:2015 - Risk Group 2< br/> This projector may become Risk Group 3 when an interchangeable lens with a throw ratio of greater than 1.94:1 is installed Such combinations of projector and lens are intended for professional use only and are not intended for consumer use.

Accessories	Accessory	Part No.
	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	
User Guide	User Guides Laser Risk Group Document Important Information (German) Important Information (French) Control Protocol	

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