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## 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: 123-522**

### Key Specifications:

<b>Colour System:</b>	Laser Phosphor with Colorboost (Red Laser). Phosphor wheel: 2 x 7200rpm (120Hz) Colour wheel: 4 Segment RGBY 2 x 7200rpm (120Hz)
<b>Display Type:</b>	1 x 0.8" HEP DMD™(High Efficiency Pixel)
<b>DMD Specification:</b>	1920 x 1200 pixels native display. Fast transit pixels for smooth greyscale and improved contrast.
<b>Aspect Ratio:</b>	16x10
<b>Fill Factor</b>	87%
<b>Key Features:</b>	<b>Video &amp; Graphics Processing</b> <ul style="list-style-type: none"><li>• Nexus electronics platform</li><li>• HDMI 2.0</li><li>• DisplayPort 1.2</li><li>• 10-bit colour processing (30-bits per pixel) 1,073,741,824 colours</li><li>• Hue, Saturation and Gain colour management.</li><li>• 24p and 1080p native display.</li><li>• HDR support</li><li>• Input source automatically detected</li><li>• Selectable Dynamic Black</li><li>• Synchronisation of active glasses or polarising switcher.</li></ul>

- 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 WUXGA 1920 x 1200 - 120Hz RB, Up to WQXGA 2560 x 1600 60Hz RB (DisplayPort)

Video standards up to up to HDTV 1080p - 60Hz, with support for 2K (2048 x 1080) 60Hz and 4K-UHD (3840 x 2160) 60Hz

Display Support for for 2K (2048 x 1080) 60Hz and 4K-UHD (3840 x 2160) 60Hz

### Inputs/Outputs

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

	Communication & Control														
	Type	Connector	Qty												
	3D Sync In	BNC	1												
	3D Sync Out	BNC	1												
	3D Sync 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	3.5mm Stereo Jack	1												
	USB Power out 5V/2A	USB Type A	1												
<b>3D Formats Supported</b>	Off Auto Side by Side Top and Bottom Dual Pipe Frame Sequential														
<b>HDTV Formats Supported</b>	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														
<b>Computer Compatibility</b>	VGA, SVGA, XGA, SXGA, SXGA+, UXGA, WUXGA up to 120hz RB, Mac														
<b>Bandwidth</b>															
<b>Remote Control</b>	Infrared Remote Control Unit														
<b>Automation Control</b>	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														
<b>Colour Temperature</b>	User selectable (3200K/ 5400K / 6500K / 7500K / 9300K / Native )														
<b>Operation</b>															
<b>illumination Type</b>	Laser Phosphor. ECO mode support (80% Brightness)														
<b>Typical illumination Life</b>	20,000 hours														
<b>Lenses</b>	<table border="1"> <thead> <tr> <th>Lens</th> <th>Part No.</th> <th>Optimised Focus Range*</th> <th>Lens Shift (Frame)</th> </tr> </thead> <tbody> <tr> <td>0.63 - 0.78 :1 zoom</td> <td>115-339</td> <td>1.02m - 12.7m</td> <td>Vert: 0.35 (U) 0.35 (D) frame, Hor: 0.15(L) 0.15 (R) frame</td> </tr> <tr> <td>1.05 - 1.5 :1 zoom</td> <td>112-500</td> <td>1.33m - 11.73m</td> <td>Vert: 0.45 (U) 0.45 (D) frame, Hor:</td> </tr> </tbody> </table>			Lens	Part No.	Optimised Focus Range*	Lens Shift (Frame)	0.63 - 0.78 :1 zoom	115-339	1.02m - 12.7m	Vert: 0.35 (U) 0.35 (D) frame, Hor: 0.15(L) 0.15 (R) frame	1.05 - 1.5 :1 zoom	112-500	1.33m - 11.73m	Vert: 0.45 (U) 0.45 (D) frame, Hor:
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			0.15(L) 0.15 (R) frame
	1.45 - 1.9 :1 zoom	112-501	1.83m - 14.9m Vert: 0.45 (U) 0.45 (D) frame, Hor: 0.2(L) 0.2 (R) frame
	1.86 - 3.08 :1 zoom	112-502	2.36m - 24.2m Vert: 0.45 (U) 0.45 (D) frame, Hor: 0.2(L) 0.2 (R) frame
	3.0 - 4.52 :1 zoom	112-503	3.8m - 35.35m Vert: 0.45 (U) 0.45 (D) frame, Hor: 0.2(L) 0.2 (R) frame
	4.46 ~ 6.94 : 1 zoom	112-504	5.59m - 54.8m Vert: 0.45 (U) 0.42 (D) frame, Hor: 0.2(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%,		
<b>Lens Mount</b>	Centred lens for installation flexibility Motorised and programmable shift, zoom and focus. Intelligent Lens Memory with 10 user-definable preset positions (except UST lens).		
<b>Mechanical Mounting</b>	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		
<b>Orientation</b>	<b>Table Top or Inverted:</b> Yes <b>Pointing Up:</b> Yes <b>Pointing Down:</b> Yes <b>Roll (Portrait):</b> Yes		
<b>Power Requirements</b>	100-240VAC 50/60Hz single phase 6.8A		
<b>Power Consumption</b>	At 100VAC - Typical 960W, Max 1056W in Normal mode At 100VAC - Typical 760W, Max 836W in Eco mode At 100VAC - Typical 780W, Max 858W in High Altitude Mode At 220VAC - Typical 930W, Max 1023W in Normal mode At 220VAC - Typical 730W, Max 803W in Eco mode At 220VAC - Typical 750W, Max 825W in High Altitude Mode <0.5W in Super Eco mode, <3W in Eco mode, < 25W in Normal mode		
<b>Thermal Dissipation</b>	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		
<b>Fan Noise</b>	Normal mode: 39 dBA typical, Max 41 dBA Eco Mode: 36 dBA typique / Max 38 dBA		
<b>Operating/Storage Temperature:</b>	Operating: 0 to 40 °C (32 to 104 °F) Force ECO over 35°C (95°F)		
<b>Operating Humidity</b>	90% (with maximum temperature of 35°C (95°F))		
<b>Weight</b>	29.4 kg / 64.8 lbs		

<b>Dimensions</b>	L: 598mm x W: 500mm x H:218mm L: 23.54 inch x W: 19.68 inch x H: 8.58 inch					
<b>Safety &amp; EMC Regulations</b>	cTUVus, CB report, CCC (China), CECP (China Energy Conservation Program), CELP (China Environmental Labeling Program), China RoHS, FCC part 15 Class A, FDA 21 CFR part 1040 (Except with respect to those characteristics authorised by Variance Number FDA-2024-V-0726, 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 This projector may become Risk Group 3 when an interchangeable lens with a throw ratio of greater than 2.12:1 is installed Such combinations of projector and lens are intended for professional use only and are not intended for consumer use.					
<b>Accessories</b>	<table border="1"> <thead> <tr> <th>Accessory</th> <th>Part No.</th> </tr> </thead> <tbody> <tr> <td colspan="2"><i>*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.</i></td> </tr> </tbody> </table>		Accessory	Part No.	<i>*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.</i>	
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<b>Downloads</b>						
<b>User Guide</b>						



#### DIGITAL PROJECTION, LTD



Unit 3, Aniseed Park, Broadgate,

Oldham, UK OL9 9XA



T: +44 (0)161 947 3300



[www.digitalprojection.com](http://www.digitalprojection.com)



#### DIGITAL PROJECTION, INC



55 Chastain Road, Suite 115 Kennesaw, GA.

30144



T: 770.420.1350 | F: 770.420.1360



[www.digitalprojection.com](http://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

# DIGITAL PROJECTION

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