

[Click to Print This Page](#)



M-VISION 27000 WU DIGITAL PROJECTOR

THE VISIONARIES CHOICE



M-Vision 27000 WU (Preliminary)

27,000 ISO / 24,000 ANSI Lumens | Contrast Ratio: 10,000:1 (Dynamic Black) | Part Number: 123-540

Key Specifications:

Colour System:	Blue + Red Laser illumination
Display Type:	1 x 0.96" DarkChip 3™ 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:	<p>ColorBoost+Red Laser</p> <ul style="list-style-type: none">• Uses red laser diodes for increased colour fidelity and highly accurate colours <p>Video & Graphics Processing</p> <ul style="list-style-type: none">• HDMI 2.0 compliance for Side by Side, Frame Packing, Frame Sequential and TopBottom 3D Formats.• DisplayPort 1.2 with HDCP 2.2 compliance.• 10-bit colour processing (30-bits per pixel).• Support for 1080p 24Hz native display.• Support for 4K 4096 x 2160 resolution.• HDR support• Input source automatically detected.• Input redundancy mode with auto switching.• Dual Pipe Processing: Two sources in parallel for Left and Right eyes.

- Synchronisation of active 3D glasses or polarising switcher.
- DICOM simulation mode.
- Sealed light engine

Geometry Correction

- Vertical & Horizontal Keystone correction.
- Four Corner adjustment.
- Rotation.
- Pin/Barrel.
- Wall Corner adjustment.
- Centre Shift (Horizontal and Vertical linearity adjustment).
- Custom Warp.
- Upload of maps for warp, blend, uniformity and masking.
- Selectable aspect ratios: 5:4 / 4:3 / 16:10 / 16:9 / 1.88 / 2.35 / TheaterScope / Source / Unscaled.
- Digital Zoom.
- Blanking control for custom input window sizing.

Edge Blending

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

Picture in Picture

- Two sources can be displayed either one within the other (PIP) , or side by side, with the original aspect ratios maintained.

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 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 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.

Installation


- 4 x eye bolts included for easy rigging.
- 4 x top stacking mounts and mount securing pins supplied as standard accessories.

Source Compatibility

12G-SDI single link - SMPTE 292M (HD), SMPTE 424M (3G), SMPTE 2081 (6G), SMPTE 2082 (12G).

Inputs/Outputs

Video & Computer			Communication & Control		
Type	Connector	Qty	Type	Connector	Qty
DisplayPort 1.2	DisplayPort	2	3D Sync In	BNC	1
HDMI 2.0	HDMI	2	3D Sync Out	BNC	1
HDBaseT	RJ45	1	Ethernet / Art-Net	EtherCON	1

	12G-SDI In 12G-SDI Out (loopthrough)	BNC BNC	1 1	HDBaseT/Ethernet/RS232/IR Serial In RS-232C Wired Remote In Wired Remote Out 12V Trigger USB Power out 5V/2A	RJ45 RJ45 9-pin D- Sub 3.5mm Stereo Jack 3.5mm Stereo Jack 3.5mm Stereo Jack USB Type A	1 1 1 1 1 1 1 1 1 1 1 1 1 1								
3D Formats Supported	<p>Frame Packing Dual Pipe Frame Sequential Side By Side (half) Top and Bottom</p> <p>Compatible with polarised 3D glasses</p>													
HDTV Formats Supported	EDTV (480p, 576p,) HDTV (720p, 1080i, 1080p, UHD, DCI 4K), Display Support for 4K-UHD 3840 x 2160 60HZ and up to 4096 x2160 60Hz.													
Computer Compatibility	VGA, SVGA, XGA, SXGA, SXGA+, WXGA, UXGA, WUXGA, Support for WQXGA													
Bandwidth	18Gb/s (600MHz clock rate) on HDMI													
Remote Control	Addressable IR Remote Control, wireless and wired On-Board keypad													
Automation Control	<p>LAN RS-232 Alert E-Mails from Projector Served webpage OSD functions for full Projector Control via web browser LAN Control-Crestron Roomview™ LAN Control-Crestron eControl LAN Control-PJ Link compatible LAN Control-AMX SSDP LAN to RS232 (RS232 by Telnet) Concurrence Control for RS232/LAN DMX Art-Net control Scheduled On and Off times</p>													
Colour Temperature	User selectable: 3200K / 5400K / 6500K / 7500K / 9300K / Native													
Operation														
illumination Type	MCL Blue Laser Light Source and MCL Red Laser Light Source with Custom light output setting range: 30% - 100% Constant output mode.													
Typical illumination Life	20,000 hours													
Lenses	<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> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>						Lens	Part No.	Optimised Focus Range*	Lens Shift (Frame)				
Lens	Part No.	Optimised Focus Range*	Lens Shift (Frame)											

	0.38:1 fixed	123-417	1.6m - 5m	Vert: 0.50 (U) 0.50 (D) frame, Hor: 0.025 (L) 0.025 (R) frame
	0.9 - 1.2 : 1 zoom	120-624	0.92m - 10.6m	Vert: 0.45 (U) 0.45 (D) frame, Hor: 0.15 (L) 0.15 (R) frame
	1.20 - 1.56 : 1 zoom	120-625	0.95m - 17.47m	Vert: 0.5 (U) 0.5 (D) frame, Hor: 0.15 (L) 0.15 (R) frame
	1.50 - 2.00 : 1 zoom	120-626	1.24m - 16.4m	Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.15 (L) 0.15 (R) frame
	2.00 - 4.00 : 1 zoom	120-627	1.82m - 41.8m	Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.15 (L) 0.15 (R) frame
	4.00 - 7.00 : 1 zoom	120-628	4.38m - 74.5m	Vert: 0.5 (U) 0.3 (D) frame, Hor: 0.15 (L) 0.15 (R) frame
	6.9 - 10.3 : 1 zoom	123-418	12m - 80m	Vert: 0.5 (U) 0.5 (D) frame, Hor: 0.15 (L) 0.15 (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 Shift, Zoom and Focus. Intelligent Lens Memory with 10 user-definable pre-set positions.			
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 110 ~ 130VAC 50/60Hz single phase			
Power Consumption	Typical 1790W @ 240VAC in Normal Mode Typical 980W @ 110VAC in Normal mode			
Thermal Dissipation	Typical 6108 BTU/Hour @ 220VAC in Normal mode Typical 3344 BTU/Hour @ 110VAC in Normal mode			
Fan Noise	Normal mode: 50 dBA max, 48 dBA typical Eco mode: 48 dBA max, 46dBA typical			
Operating/Storage Temperature Operating:	Operating: 0 to 40 °C (32 to 104 °F) Operating: 33 - 35 °C (91.4 - 95 °F) Projector automatically set to 90% laser power mode Operating: 35 - 40 °C (95 - 104 °F) Projector automatically set to eco mode Storage: -20 to 60 °C (-4 to 140 °F)			
Operating Humidity	90% (with maximum temperature of 35 °C) non-condensing			
Weight	46 kg / 101.4 lbs			
Dimensions	Projector Dimensions (Including handles and feet)			

	<p>L: 768.4mm x W: 598.8mm x H: 302.75mm L: 30.25 inch x W: 23.57 inch x H: 11.92 inch</p> <p>Projector Dimensions (Excluding handles)</p> <p>L: 669.4mm x W: 598.8mm x H: 302.75mm L: 26.35 inch x W: 23.57 inch x H: 11.92 inch</p> <p>Carton Dimensions</p> <p>944mm x W: 758mm x H: 516mm L: 37.17 inch x W: 29.84 inch x H: 20.31 inch</p>				
Safety & EMC Regulations	cTUVus, CB, CCC (China), FCC Class A (USA), FDA, CE (European Economic Area), UKCA, KC (Korea), BSMI (Taiwan), IEC EN 60825-1:2007 Class 3R Laser Product, IEC EN 60825-1:2014 Class 3R Laser Product, GB 7247.1-2012				
Accessories	<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>	
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>					
Downloads	<p>PDF CAD Drawings</p> <p>AUTOCAD Drawings</p> <p>STEP / IGS Drawings</p> <p>Lens CAD Drawings</p>				
User Guide					



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



A Delta Group Company

Specifications subject to change without notice.
©2022 Digital Projection. DLP®, Digital Light Processing™ and DMD are trademarks of Texas Instruments, Inc



Certificate Number 13629
ISO 9001



Rm A2301, Shaoyaoju 101 North Lane, Shi Ao

**International Center, Chaoyang District, Beijing 100029,
PR China**



T: +86.10.58239771 | F: +86 10 58239770