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# M-VISION 30000 WU

THE VISIONARIES CHOICE



## M-Vision 30000 WU (Preliminary)

**30000 ISO / 26,700 ANSI Lumens | Contrast Ratio: 10,000:1 (Dynamic Black) | Part Number: 124-300**

### Key Specifications:

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Colour System:</b>     | Blue + Red Laser illumination                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Display Type:</b>      | 1 x 0.96" DarkChip 3™ DMD™                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>DMD Specification:</b> | 1920 x 1200 pixels native display.<br>Fast transit pixels for smooth greyscale and improved contrast.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Aspect Ratio:</b>      | 16x10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Fill Factor</b>        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Key Features:</b>      | <p><b>ColorBoost+Red Laser</b></p> <ul style="list-style-type: none"><li>• Uses red laser diodes for increased colour fidelity and highly accurate colours</li></ul> <p><b>Video &amp; Graphics Processing</b></p> <ul style="list-style-type: none"><li>• HDMI 2.0 compliance for Side by Side, Frame Packing, Frame Sequential and TopBottom 3D Formats.</li><li>• DisplayPort 1.2 with HDCP 2.2 compliance.</li><li>• 10-bit colour processing (30-bits per pixel).</li><li>• Support for 1080p 24Hz native display.</li><li>• Support for 4K 4096 x 2160 resolution.</li><li>• HDR support</li><li>• Input source automatically detected.</li><li>• Input redundancy mode with auto switching.</li><li>• Dual Pipe Processing: Two sources in parallel for Left and Right eyes.</li></ul> |

- 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.

#### 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
- IP6X sealed optics.

#### Source Compatibility

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

#### Inputs/Outputs

| Video & Computer          |             |     |
|---------------------------|-------------|-----|
| Type                      | Connector   | Qty |
| DisplayPort 1.2           | DisplayPort | 2   |
| HDMI 2.0                  | HDMI        | 2   |
| HDBaseT                   | RJ45        | 1   |
| 12G-SDI In                | BNC         | 1   |
| 12G-SDI Out (loopthrough) | BNC         | 1   |

|                           | Communication & Control                                                                                                                                                                                                                                                                                                                                                           |                        |                                                               |  |      |          |                        |                    |              |         |           |                                                               |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|---------------------------------------------------------------|--|------|----------|------------------------|--------------------|--------------|---------|-----------|---------------------------------------------------------------|
|                           | Type                                                                                                                                                                                                                                                                                                                                                                              | Connector              | Qty                                                           |  |      |          |                        |                    |              |         |           |                                                               |
|                           | 3D Sync In                                                                                                                                                                                                                                                                                                                                                                        | BNC                    | 1                                                             |  |      |          |                        |                    |              |         |           |                                                               |
|                           | 3D Sync Out                                                                                                                                                                                                                                                                                                                                                                       | BNC                    | 1                                                             |  |      |          |                        |                    |              |         |           |                                                               |
|                           | 3D Sync IR                                                                                                                                                                                                                                                                                                                                                                        | BNC                    | 1                                                             |  |      |          |                        |                    |              |         |           |                                                               |
|                           | Ethernet / Art-Net                                                                                                                                                                                                                                                                                                                                                                | EtherCON RJ45          | 1                                                             |  |      |          |                        |                    |              |         |           |                                                               |
|                           | HDBaseT/Ethernet/RS232/IR                                                                                                                                                                                                                                                                                                                                                         | RJ45                   | 1                                                             |  |      |          |                        |                    |              |         |           |                                                               |
|                           | Serial In 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                                                             |  |      |          |                        |                    |              |         |           |                                                               |
| 3D Formats Supported      | Frame Packing<br>Dual Pipe<br>Frame Sequential<br>Side By Side (half)<br>Top and Bottom                                                                                                                                                                                                                                                                                           |                        |                                                               |  |      |          |                        |                    |              |         |           |                                                               |
| 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<br>On-Board keypad                                                                                                                                                                                                                                                                                                              |                        |                                                               |  |      |          |                        |                    |              |         |           |                                                               |
| Automation Control        | LAN<br>RS-232<br>Alert E-Mails from Projector<br>Served webpage OSD functions for full Projector Control via web browser<br>LAN Control-Crestron Roomview™<br>LAN Control-Crestron eControl<br>LAN Control-PJ Link compatible<br>LAN Control-AMX SSDP<br>LAN to RS232 (RS232 by Telnet)<br>Concurrence Control for RS232/LAN<br>DMX Art-Net control<br>Scheduled On and Off times |                        |                                                               |  |      |          |                        |                    |              |         |           |                                                               |
| 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<br>range: 30% - 100%<br>Constant Brightness mode                                                                                                                                                                                                                                      |                        |                                                               |  |      |          |                        |                    |              |         |           |                                                               |
| Typical illumination Life | 20,000 hours                                                                                                                                                                                                                                                                                                                                                                      |                        |                                                               |  |      |          |                        |                    |              |         |           |                                                               |
| Lenses                    | <table><tr><th>Lens</th><th>Part No.</th><th>Optimised Focus Range*</th><th>Lens Shift (Frame)</th></tr><tr><td>0.38:1 fixed</td><td>123-417</td><td>1.6m - 5m</td><td>Vert: 0.50 (U) 0.50 (D) frame, Hor: 0.025 (L) 0.025 (R) frame</td></tr></table>                                                                                                                            |                        |                                                               |  | 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 |
| 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%,                                                                          |         |                |                                                             |
| <b>Lens Mount</b>                               | Motorised Shift, Zoom and Focus. Intelligent Lens Memory with 10 user-definable pre-set positions.                                                                                                                                                                                                                                                     |         |                |                                                             |
| <b>Mechanical Mounting</b>                      | Front/Rear Table<br>Front/Rear Ceiling<br>Adjustable Front/Rear Feet                                                                                                                                                                                                                                                                                   |         |                |                                                             |
| <b>Orientation</b>                              | <b>Table Top or Inverted:</b> Yes<br><b>Pointing Up:</b> Yes<br><b>Pointing Down:</b> Yes<br><b>Roll (Portrait):</b> Yes                                                                                                                                                                                                                               |         |                |                                                             |
| <b>Power Requirements</b>                       | 200~240 VAC 10.8 A 50/60Hz<br>110~130 VAC 11.9 A 50/60Hz<br>At 120 VAC the projector will be in a reduced Brightness mode                                                                                                                                                                                                                              |         |                |                                                             |
| <b>Power Consumption</b>                        | At 110VAC: typical 1020 W, max 1120 W in High Altitude mode<br>At 110VAC: typical 810 W, max 1720 W in Normal mode<br>At 230VAC: typical 1860 W, max 2045 W in High Altitude mode<br>At 230VAC: typical 1720 W, max 1890 W in Normal mode<br>At 230VAC: typical 1220 W, max 2045 W in Eco mode                                                         |         |                |                                                             |
| <b>Thermal Dissipation</b>                      | At 110 VAC: typical 3480 BTU/hr, max 3822 BTU/hr in High Altitude mode<br>At 110 VAC: typical 2764 BTU/hr, max 5869 BTU/hr in Normal mode<br>At 230 VAC: typical 6347 BTU/hr, max 6978 BTU/hr in High Altitude mode<br>At 230 VAC: typical 5869 BTU/hr, max 6449 BTU/hr in Normal mode<br>At 230 VAC: typical 4136 BTU/hr, max 6978 BTU/hr in ECO mode |         |                |                                                             |
| <b>Fan Noise</b>                                | Normal mode: 51 dBA max, 49 dBA typical<br>Eco mode: 49 dBA max, 47dBA typical                                                                                                                                                                                                                                                                         |         |                |                                                             |
| <b>Operating/Storage Temperature Operating:</b> | Operating: 0 to 40 °C (32 to 104 °F)<br>Operating: 33 - 35 °C (91.4 - 95 °F) Projector automatically set to 90% laser power mode<br>Operating: 35 - 40 °C (95 - 104 °F) Projector automatically set to eco mode<br>Storage: -20 to 60 °C (-4 to 140 °F)                                                                                                |         |                |                                                             |

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |           |          |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------|----------|
| Operating Humidity       | 90% (with maximum temperature of 35 °C) non-condensing                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |           |          |
| Weight                   | 48.5 kg / 106.9 lbs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |           |          |
| Dimensions               | <b>Projector Dimensions (Including handles and feet)</b><br>L: 768.4mm x W: 598.8mm x H: 302.75mm<br>L: 30.25 inch x W: 23.57 inch x H: 11.92 inch<br><b>Projector Dimensions (Excluding handles)</b><br>L: 669.4mm x W: 598.8mm x H: 302.75mm<br>L: 26.35 inch x W: 23.57 inch x H: 11.92 inch<br><b>Carton Dimensions</b><br>944mm x W: 758mm x H: 516mm<br>L: 37.17 inch x W: 29.84 inch x H: 20.31 inch                                                                                        |  |           |          |
| Safety & EMC Regulations | cTUVus, CB, CCC (China), FCC Class A (USA) FDA, CE (European Economic Area), UKCA, KC (Korea), BSMI (Taiwan), IEC/EN 62471-5:2015, GB/T 30117.5-2019, Class 1 Laser Product, Risk Group 3, IEC/EN 60825-1:2014, JIS C 6802 : 2018, IEC 60825-1:2014, EN 60825-1:2014+A11:2021<br>This product is in conformity with performance standards for laser products under 21 CFR 1040, except with respect to those characteristics authorised by Variance Number 2021-V-0192 effective on March 20, 2021 |  |           |          |
| Accessories              | <table><tr><td>Accessory</td><td>Part No.</td></tr></table> <p><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></p>                                                                                                                                                                                                                                                             |  | Accessory | Part No. |
| Accessory                | Part No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |           |          |
| Downloads                | <a href="#">PDF CAD Drawings</a><br><a href="#">AUTOCAD Drawings</a><br><a href="#">STEP / IGS Drawings</a><br><a href="#">Lens CAD Drawings</a>                                                                                                                                                                                                                                                                                                                                                   |  |           |          |
| User Guide               | <a href="#">User Guides</a><br><a href="#">User Guides (German)</a><br><a href="#">User Guides (French)</a><br><a href="#">Laser Risk Group Document</a><br><a href="#">Important Information</a>                                                                                                                                                                                                                                                                                                  |  |           |          |



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