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E-Vision 7520 4K-UHD

7,500 ISO / 6,700 ANSI Lumens | Contrast Ratio: 3,000,000:1 (Dynamic Black) | Part Number: 124-449

Key Specifications:

Colour System:	Laser Phosphor with colourwheel
Display Type:	1 x 0.65" DarkChip™ DMD™
DMD Specification:	Display resolutions 4K-UHD (3840 x 2160) or WQXGA+ (2716 x 1528) 8.3 megapixels on screen at 4K-UHD Fast transit pixels for smooth greyscale and improved contrast.
Aspect Ratio:	16:9
Fill Factor	Not applicable: Smooth Picture DMD™
Key Features:	Video & Graphics Processing • HDR processing • Two projectors in one - 4K-UHD and WQXGA+. • DisplayPort 1.2. • 2 x HDMI 2.0. • 2 x HDMI 1.4b for Dual Pipe processing and Frame Sequential 3D format. • Sequential Processing: 3D via single HDMI 1.4b input. • Dual Pipe Processing: 3D Left and Right Eyes via two HDMI 1.4b inputs. • Synchronisation of active glasses. • 3G-SDI with loop-through. • DICOM simulation mode. Geometry Correction • Cornerstone, Vertical & Horizontal Keystone, Pincushion & Barrel, Arc and Image Rotation. • Non-linear warp. • Digital zoom, pan and scan. • Blanking control for custom input window sizing. • Scaling available for fixed aspect ratio screens. • Unscaled processing for pixel mapped display.

Edge Blending

- Blending control available for all sides with width control.
- Correction for non-active pixels at the edge of the display.

Picture in Picture

- Two sources can be displayed simultaneously using 2D inputs: either picture in picture (PIP), or side by side (PBP), with original aspect ratios maintained.

HDBaseT® Interface

- Built in support for reception of uncompressed High Definition Video over standard CAT5e/6 LAN cable.
- Allows projector to be placed up to 100m from source with low cost cabling.
- Supports up to 4K UHD 3840 x 2160@60Hz 4:2:0 or 4K UHD 3840 x 2160@30Hz 4:4:4

Colour Processing

- Four colour modes available.
- Powerful seven point colour correction for accurate colour matching with presets.
- Easy colour temperature selection.
- Manual seven point colour adjustment.
- Traditional lifts and gains.

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.
- E-mail alerts for system status.

Source Compatibility

2D graphics standards up to 4K-UHD 3840 x 2160 resolution at 60Hz via HDMI 2.0, HDBaseT (4:2:0) and DisplayPort inputs.

3D graphics standards up to WQXGA at 120Hz DualPipe via HDMI 1.4b inputs.

3GSDI is SMPTE 292M, SMPTE 259M-C and SMPTE 424M compliant.

WQXGA+ mode

2D sources up to WQXGA+ at 120Hz can be displayed scaled to fit WQXGA+.

3D sources up to WQXGA at 120Hz can be displayed scaled to fit WQXGA+.

4K-UHD mode

2D sources up to 4K-UHD will be displayed scaled to fit 4K-UHD.

Auto mode

Sources greater than WQXGA+ will be displayed scaled to fit 4K-UHD.

Sources up to WQXGA+ will be displayed scaled to fit WQXGA+.

Inputs/Outputs

Video & Computer		
Type	Connector	Qty
DisplayPort 1.2 (2D)	DisplayPort	1
HDMI 1.4b (3D)	HDMI	2
HDMI 2.0 (2D)	HDMI	2
3G-SDI in (2D)	BNC	1
3G-SDI out	BNC	1
HDBaseT (see LAN) (2D)	RJ45	1
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Communication & Control		

	<table><tr><th>Type</th><th>Connector</th><th>Qty</th></tr><tr><td>3D Sync Out</td><td></td><td></td></tr><tr><td>3D Sync In</td><td></td><td></td></tr><tr><td>LAN</td><td>BNC</td><td>1</td></tr><tr><td>RS232</td><td>BNC</td><td>1</td></tr><tr><td>Wired Remote</td><td>RJ45</td><td>2</td></tr><tr><td>12V Trigger</td><td>9-pin D Sub</td><td>1</td></tr><tr><td>3D Sync IR Out</td><td>3.5mm Stereo Jack</td><td>1</td></tr><tr><td></td><td>3.5mm Stereo Jack</td><td>2</td></tr><tr><td></td><td>BNC</td><td>1</td></tr><tr><td colspan="3">NOTE: One of the LAN ports is shared with HDBase-T.</td></tr></table>	Type	Connector	Qty	3D Sync Out			3D Sync In			LAN	BNC	1	RS232	BNC	1	Wired Remote	RJ45	2	12V Trigger	9-pin D Sub	1	3D Sync IR Out	3.5mm Stereo Jack	1		3.5mm Stereo Jack	2		BNC	1	NOTE: One of the LAN ports is shared with HDBase-T.		
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3D Formats Supported	Frame Sequential Dual-Pipe																																	
HDTV Formats Supported	1080p (24Hz, 25Hz, 30Hz, 50Hz, 60Hz, 100Hz, 120Hz) 1080i (50Hz, 60Hz) 720p (50, 60Hz) 2K (24Hz, 25Hz, 30Hz, 50Hz, 60Hz) 4K-UHD (24Hz, 25Hz, 30Hz, 50Hz, 60Hz)																																	
Computer Compatibility	2D 4K-UHD up to 60Hz. WQXGA+ up to 120Hz. 3D Supported formats will be displayed within WQXGA+.																																	
Bandwidth	498 megapixels per second via DisplayPort and HDMI 2.0.																																	
Remote Control	Addressable IR remote control, wireless and wired. On-Board keypad																																	
Automation Control	Crestron RoomView® Connected PJLink Class 1 LAN RS232 AMX (Device Discovery) Served web pages (projector status, projector control, Crestron RoomView®, network settings, alert mail setup, time setup, error log, On Screen Display)																																	
Colour Temperature	3200K to 9300K																																	
Operation																																		
illumination Type	Laser Light Source																																	
Typical illumination Life	30,000 hours																																	
Lenses	<table><tr><th>Lens</th><th>Part No.</th><th>Optimised Focus Range*</th><th>Lens Shift (Frame)</th></tr><tr><td>1.15 - 1.9:1 (fixed)</td><td>N/A</td><td>1.5m - 5m (Optical range) 1.5m - 8m (Mechanical range)</td><td>Vert: Fixed Offset 0.65 (U) frame with small variable vertical and horizontal shift</td></tr></table>				Lens	Part No.	Optimised Focus Range*	Lens Shift (Frame)	1.15 - 1.9:1 (fixed)	N/A	1.5m - 5m (Optical range) 1.5m - 8m (Mechanical range)	Vert: Fixed Offset 0.65 (U) frame with small variable vertical and horizontal shift																						
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* 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	Manual focus and zoom			
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	100-130VAC and 200-240VAC selectable, 50/60Hz single phase			
Power Consumption	950 W @220 Vac (1000 W @110 Vac)			
Thermal Dissipation	Max 3139 BTU/hour @100 VAC Max 3002 BTU/hour @240 VAC			
Fan Noise	Smooth Picture On: <i>Normal mode:</i> typical 40 (max 42) dBA <i>Eco2 mode:</i> typical 37 (max 39) dBA Smooth Picture Off: <i>Normal mode:</i> typical 38 (max 40) dBA <i>Eco2 mode:</i> typical 34 (max 36) dBA			
Operating/Storage Temperature:	Operating: 5 to 40C (41 to 104F) Storage: -10 to 60C (14 to 140F)			
Operating Humidity	10 to 85% non-condensing			
Weight	28.15 kg / 62 lbs			
Dimensions	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	CE, FCC Class A, CCC, UL/cUL, FDA CB, KC, CEL, CECP			
Accessories	<table><tr><td>Accessory</td><td>Part No.</td></tr></table>		Accessory	Part No.
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<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				
User Guide				



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