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E-Vision 6220 4K-UHD

The Visionaries Choice



E-Vision 6220 4K-UHD

6,500 ISO / 5,700 ANSI Lumens | Contrast Ratio: 3,000,000:1 (Dynamic Black) | Part Number: 124-452

Key Specifications:

Colour System:	Laser Phosphor with colourwheel
Display Type:	1 x 0.65" DarkChip™ DMD™
DMD Specification:	Display capability up to 4K-UHD. 8.3 megapixels on screen at 4K-UHD (3840 x 2160). 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				
	.						
	Communication & Control						
	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					
NOTE: One of the LAN ports is shared with HDBase-T.	BNC	1					
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</th><th>Lens Shift (Frame)</th></tr></table>			Lens	Part No.	Optimised Focus	Lens Shift (Frame)
Lens	Part No.	Optimised Focus	Lens Shift (Frame)				

	Range*			
	1.15 - 1.9:1	124-525	1.515m - 6.429m	V: Above +122%, H: Above +/-2%
	0.5:1	124-526	1m - 1.8m	V: Above +122%, H: Above +/-2%
	0.8 - 1.2:1	124-527	1.41m - 5.41m	V: Above +122%, H: Above +/-2%
* 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	35 dB / 31dB			
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	13 kg / 28.7 lbs			
Dimensions	L: 38.0 cm x W: 49.6 cm x H: 16.0 cm L: 14.9 in x W: 19.5 in x H: 6.2 in			
Safety & EMC Regulations	CE, FCC Class A, CCC, UL/cUL, FDA CB, KC, CEL, CECP			
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				
User Guide				



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