

JVC

DLA-VS4700

Visualization Series 8K e-shift D-ILA Projector

BLU^{ESCENT}

Laser-Hybrid Illumination

w/Frame-Encoded Dynamic Laser Control

Any Orientation Operation

Low Cost of Ownership!

Digital Smear Reduction w/Black Frame Insertion

17.7MP Effective Resolution (e-shift mode)

>12,000:1 Native Contrast Ratio



*Shown with optional lens

● Features

- Laser-Hybrid Illumination System with 20,000+ hour lifetime for Low Operating Cost and Consistent Performance
- 3 Active Matrix, 0.69" Digital D-ILA Devices
- 4096x2160 Native Resolution (8192x4320 addressable 8K e-shift mode)
- 3000 Lumens (typical) - 2400 Lumens (minimum)
- Contrast Ratio - TBD (>12,000:1 minimum)
- 12-Bit Color Bit Depth via DisplayPort 1.2a Inputs
- 6- Axis Color Management System
- 12-Bit Gamma Correction
- Digital Smear Reduction via Black-frame Insertion
- Low-Latency Signal Processing
- 50Hz, 60Hz, 120Hz Synchronous Operation
- 100%>25% Illumination Control (125 steps), Auto-Intensity Function
- Frame-Encoded Dynamic Laser Control (FEDLC)
- High Contrast IR output for stimulated NVG applications
- User Adjustable Gamma Tracking
- Long-life Wiregrid Polarizers
- Long-life Inorganic Optical Components
- Available Fixed and Zoom Lenses
- Flexible Orientation - Unlimited Pitch and Roll
- 11x11 Matrix, 1/16 pixel Micro-Convergence Control
- Comprehensive LAN/RS232 Control Protocol
- USB Configuration Save/Restore Capability
- Rugged Chassis for Motion-Base Applications

Specifications

Image Device	3 D-ILA® devices (0.69 inches diagonal) >90% Aperture Ratio		
Brightness	3000 Lumens (typical) - 2400 Lumens (minimum)		
Resolution	4096x2160 Pixels (8192 x 4320 Addressable in e-shift mode)		
Contrast Ratio (Sequential)	>12,000:1		
Uniformity	Greater than 78%		
Gamma Control	Std 2.2 Gamma and 3 User adjustable Gamma presets		
Color Management	6-Axis adjustable CMS		
Input - Supported Formats*	640x480, 800x600, 1280x720, 1024x768, 1366x768, 1280x800, 1440x900, 1280x1024, 1920x1080, 2048x1080, 1600x1200, 1920x1200, 2048x1536, 2560x1600, 3840x2160, 4096x2160 *e-shift requires driving 2 or 4 vertical stripes		
Input Modes	50Hz, 60Hz, 120Hz - Single, Dual, Quad Stripe or Quadrant Mode		
Latency	29ms@50Hz, 24ms@60Hz, 13ms@120Hz		
Color Bit Depth	12-bit Input, 12-bit Display		
I/O Terminals	DisplayPort 1.2a x 4 LAN, RJ45 x 1 RS-232C, D-Sub 9 pin (male) x 1 Wired Remote (Mini) x 1 USB (for Service) Sync Out		
Remote Control	RS-232C/LAN Fully featured control protocol - Wired/IR Remote Control		
Available Lenses**	VSL2010	.99:1 - Fixed Lens, ± 50% Vertical, ± 10% Horizontal Offset	
**Requires Optional Lens Mount	VSL2012	1.18:1 - Fixed Lens, ± 50% Vertical, ± 10% Horizontal Offset	
	GLMZ-4009SZ	0.94-1.3:1 - Zoom Lens, ± 50% Vertical, ± 18% Horizontal Offset	
	GLMZ-4014SZ	1.27-2.54:1 - Zoom Lens, ± 100% Vertical, ± 40% Horizontal Offset	
Illumination System	Hybrid Blue Laser/Excited Phosphor - 20,000hrs to 50% output at full power User-Adjustable, 125 steps, 100%-25% Power Level, Auto-Intensity function 8-step Illumination System Aperture Control		
Power Requirement	AC 100V-240V, 50/60Hz		
Power Consumption	750 Watts, 1.5W Standby		
Noise Level (0-26°C, 32-79°F)	<40dB(A) at 39.4"/1m		
Operating Environment	Temperature range 5°C-35°C Humidity 20%-80% (non-condensing)		
Operating Altitude	<2000 meters for safe operation		
Installation Orientation	Any Orientation is supported - unlimited pitch and roll - motion compliant		
Dimensions (W x H x D)	19.7" x 8.46" x 28.3" (500 x 215 x 720mm)		
Weight	77lbs, (35kg) - Lens and Mount additional		
Supplied Accessories	Power Cord x2 (US, EU)		
Approvals	Safety	North America	CSA C22.2 No.60950-1-07 /UL60950-1 2 nd
		Europe	IEC60950-1:2005/A1:2009/A2:2013, EN60950-1:2006/A11:2009/A1:2010/A12:2011/A2:2013
		China	GB4943, 1-2011
	Safety (Laser)	USA	IEC60825-1 Ed2:Class 3R
	Other regions	IEC60825-1 Ed3:Class 1	
EMI	North America	FCC PART 15 SUBPART B CLASS A (US), ICES-003 Issue 5 Class A (CAN)	
	Europe	EN61000-3-2, EN61000-3-3, EN55032 (Class A), EN55022 (Class A), EN55024	
	Australia	AS/NZS: CISPR22-2009/A1:2010 Class A	
	China	GB9254-2008, GB17625.1-2012	
Environmental	Common	RoHS	
	North America	Proposition 65 (US), Mercury Regulation	
	Europe	WEEE, New battery directive, REACH	
Warranty	Two Years Parts and Labor (per JVC Limited Warranty)		

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