

JVC

DLA-VS4500

Visualization Series 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

4096x2160
Native Resolution
120Hz Frame Rate



*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
- 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 | | |
| Contrast Ratio (Sequential) | TBD (>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 | | |
| 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 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 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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