

JVC

DLA-VS4550

Visualization Series™ D-ILA Projector

BLU^{ESCENT}

Laser-Phosphor Illumination
with Frame-Encoded Dynamic Laser Control

4096x2160
Native Resolution

120Hz Frame Rate

Stimulated NVG
Compatible

Digital Smear Reduction with
Black Frame Insertion

>12,000:1 Contrast Ratio



*Shown with optional lens

D-ILA®

● Features

- Laser-Phosphor Illumination System with long life 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 - >12,000:1 minimum)
- 12-Bit Color Bit Depth via DisplayPort 1.2a Inputs
- 6-Axis Color Management System w/12-Bit Gamma Correction
- Color Gamut - Default Calibration - sRGB / REC. 709
- Improved Digital Smear Reduction w/120Hz Laser Pulse Control
- Low-Latency Signal Processing
- 50Hz, 60Hz, 120Hz Synchronous Operation
- Comprehensive LAN/RS232 Control Protocol
- 100%>25% Illumination Control (125 steps)
- Built-in Auto Intensity and Color Calibration for reduced maintenance
- Frame-Encoded Dynamic Laser Control (FEDLC)
- Improved IR output/performance for stimulated NVG
- User Adjustable Gamma Presets
- Long-life Wiregrid Polarizers and Inorganic Optical Components
- Fixed and Zoom Lens Options Available
- Custom Fixed and Adjustable Lens Mount Options Available
- Flexible Orientation - Unlimited Pitch and Roll
- 11x11 Matrix, 1/16 pixel Micro-Convergence Control
- Easy Access Front Panel for Lens/Mount Access
- USB Configuration Save/Restore Capability
- Motion Compatible for Simulation applications

*Shown with optional lens

Specifications

Image Device	3 D-ILA devices (0.69 inches diagonal) 4096 x 2160, >90% Aperture Ratio
Brightness	3000 ANSI Lumens (typical) - 2400 Lumens (minimum) with SSS polarization
Display Resolution	4096 x 2160 Pixels
Contrast Ratio	Greater than 12,000:1 (Sequential)
Uniformity	Greater than 78%
Input - Supported Resolutions	640x480, 1920x1080, 2048x1080, 1600x1200, 1920x1200, 2048x1536, 2560x1600, 3840x2160, 4096x2160
Input modes	50Hz, 60Hz, 120Hz - Single, Dual, Quad Stripe or Quadrant Mode
Latency	30ms@50Hz, 25ms@60Hz, 16.6ms@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
Projection Lens (optional)	VSL_40FE Dual Cove Lens - ± 62% V, ± 9% H, ± 37% Vertical Angle GLMZ-4009SZ 0.94-1.3:1 - Zoom Lens, ± 50% V, ± 18% H Offset GLMZ-4014SZ 1.27-2.54:1 - Zoom Lens, ± 100% V, ± 40% H Offset PK-MLS01 -Motorized lens mount option, ±100% V, ±34% H offset
Light source	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
Auto Intensity	Internal Auto Intensity and color calibration
Power Requirement	AC 100V-240V, 50/60Hz (single phase)
Power Consumption	750 Watts Maximum, 1.5W Standby
Noise Level (0-26°C, 32-79°F)	40dB (A) at 39.4"1m (3.3ft)
Operating Altitude	<6600ft (2000m) for safe operation
Installation Orientation	Any Orientation is supported - unlimited pitch and roll - motion compliant 106cfm (3m³) per minute minimum
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 x 2 (US, EU) *Instruction manual is available from the JVC site
Approvals	Safety - CSA C22.2 No.60950-1-07 /UL60950-1 2nd (NA), IEC60950-1:2005/A1:2009/A2:2013, EN60950-1:2006/A11:2009/A1:2010/A12:2011/A2:2013 (EU) GB4943, 1-2011 (China) Safety (Laser) - IEC60825-1 Ed2:Class 3R, (US), IEC60825-1 Ed3:Class 1 EMI - FCC PART 15 SUBPART B, CLASS A (US), ICES-003 Issue 5:2012 CLASS A (CAN), EN61000-3-2, EN61000-3-3, EN55032 (Class A), EN55022 (Class A), EN55024 (EU), CISPR22-2009/A1:2010 Class A (AS/NZ) GB9254-2008, GB17625.1-2012 (China) Environmental - RoHS, Proposition 65 (US), WEEE, REACH, New Battery Directive (EU)
Warranty	Two-Years Parts and Labor (per JVC Limited Warranty)



DLA-VS4550
Rear View

Accessories

VSL-40FE
Dual Cove Lens



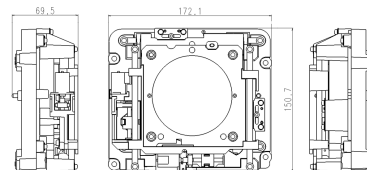
GLMS-4009SZ
0.94-1.3:1 Zoom Lens



GLMZ-4014SZ
1.27-2.54:1 Zoom Lens



PK-MLS01 Motorized
Lens Mount Option



FLT-VS45
Motorized Filter
Holder

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<http://pro.jvc.com/visualization>

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