JVC’s DLA-RS4500 native 4K projector combines JVC’s new 4096 X 2160 D-ILA devices and “BLU-Escent” Laser phosphor light source to become the world’s first THX 4K certified projector. This flagship model features HDR compatibility, a new high-resolution lens developed specifically for 4K applications, and a new Cinema Filter for a wide color gamut. This projector needs to be experienced to be believed!

- BLU-Escent (Laser Diode/Phosphor) Light Source
- ∞ : 1 Dynamic Contrast Ratio
- Three 0.69 inch 4K D-ILA (4096 x 2160) Devices
- 18 Element, 16 Group All Glass 100mm Diameter Zoom Lens
- 4K (4096 x 2160) Projected Image
- Two 18Gbps HDMI/HDCP 2.2 Compatible Inputs
- THX® 4K Display Certified
- ISF (Imaging Science Foundation) Licensed
- MPC with Auto Mode scales HD video to 4K, and can be used to fine tune Native 4K signals (up to 4K60P 4:4:4)
- HDR (High Dynamic Range) Compatible with HDR10 and Hybrid Log Gamma and SMPTE 2086
- Motion Enhance (2D, 3D, 4K) with Upgraded Clear Motion Drive
- Over 100% DCI P3 color space and over 80% coverage of the BT.2020 color gamut
- 1.4 to 2.8:1 Motorized Zoom Lens with ±100% Vertical Offset and ±43% Horizontal (with 16:9 throw)
- New Installation Function Memorizes 10 Positions for Lens, Screen & Masking Settings
- Control: Control4 SDDP / LAN / RS-232C / IR / 12V Screen Trigger Output / 3D Sync Output
- 3 Year Warranty

Note: Optional Active 3D Glasses (PK-AG3) and RF Emitter (PK-EM2) are required for viewing images in 3D.
**D-ILA Native 4K D-ILA Device 0.69 inch**

The DLA-RS4500 employs the world’s smallest Native 4K D-ILA device (0.69" diagonal) realizing 4096 x 2160 pixel images. It utilizes vertical orientation technology and a planarization technique that reduces light scattering and light diffraction over previous devices. The result is extremely high native contrast ratios with smooth, detailed pictures without visible pixel structure even on large screens.

**JVC’s proprietary 2nd generation “BLU-EScent” Laser Phosphor light engine** uses Blue Laser diodes, stationary inorganic phosphor and JVC’s proprietary color management system. “BLU-EScent” enables 3,000 lumen light output and 20,000 hour long life illumination. Increased brightness ensures compatibility with larger screen sizes over 200 inches, and improved HDR performance, bringing greater depth and dimensionality to home theater screens.

**4K High Resolution Lens Dedicated for 4K**

An 18 element, 16 group all glass lens and full aluminum lens barrel has been specially engineered for the DLA-RS4500’s 4K performance. Chromatic aberration and color fringing are minimized even when utilizing lens shift, resulting in precise projection of 4K content. A new 100mm diameter lens is used for increased efficiency, projecting 4K resolution to every corner of the screen. This compares to 65mm diameter designs used in other JVC projectors. This lens allows a wide shift range of ±100% vertical, ±43% horizontal.

**Latest HDMI, HDCP compatibility**

**HDMI**
- Dual Full Speed, Full Spec 18Gbps HDMI w/HDR
- Compatible with highest quality native 4K signals such as 4K60p 4:4:4, 4K60p 4:2:2/36bit and 4K24p 4:4:4/36bit
- Content protection required by all leading Hollywood Studios

**HDCP2.2**
- Motorized Shift+100% Vertical and ±43% Horizontal
- Light Source
  - 2nd generation “BLU-EScent” Laser Phosphor light engine (3,000 lumen light output and 20,000 hour long life illumination)

**Contrast Ratio**
- Dynamic: -1

**Input Terminals**
- HDMI 2 (Full Speed 18Gbps HDMI/HDCP 2.2 Compatible w/HDR)
- USB
- For firmware updates only

**Output Terminals**
- 3D Sync
- Trigger
- 1 (Mini jack, DC12V/100mA)

**Control Terminals**
- RS-232C
- LAN (RJ-45)
- 1

**Digital Video Signal**
- Compatible: Compatible (Needs 18Gbps):

**3D Signal**
- Frame Packing
- Side-by-Side
- Top-and-Bottom
- 1080i/50 Hz, 1080i/60 Hz, 1080i/50 Hz, 1080i/60 Hz, 1080p/24 Hz, 1080p/25 Hz, 1080p/30 Hz, 1080p/50 Hz, 1080p/60 Hz, 2K(2048/20, 25, 30, 50, 60 Hz), 2K(4096/20, 25, 30, 50, 60 Hz), 2K(4096/24, 25, 30, 50, 60 Hz)
- 4K(4096/24, 25, 30, 50, 60 Hz), 4K(4096/24, 25, 30, 50, 60 Hz)

**PC Input Signal Format**
- HDMI
- VGA, SVGA, XGA, WXGA, WFXGA, WXGSA+, WXGAX+, WXGAXA, WLUXGA

**Dimensions**
- (WxHxD-inches)
- 19.69 x 8.46 x 28.35 w/o legs
- 58.9 lbs

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**HDR (High Dynamic Range) Compatible**

HDR content such as UHD Blu-ray discs incorporate extended dynamic range, 10bit color and wide BT.2020 color gamut. This demands exceptional specifications and exacting performance from display devices. The new DLA-RS4500, employs high native contrast ratio with BT.709 and Digital Cinema Initiative (DCI) color gamut with BT.2020 color mapping, dynamic light source control and high brightness let you experience a full complement of HDR content.

**Hybrid Log-Gamma** is an additional HDR Gamma mode that is used for live broadcast or streaming events.

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**Home Automation**

Every Reference Series projector is Control4 SDDP (Simple Device Discovery Protocol) software certified so it can easily be integrated into a Control4 home automation system.

**Optional Equipment**

- PK-EM2
  - RF 3D Syncro Emitter
- PK-AG3
  - RF 3D Glasses