



Large Venue Projector

# Vivitek DK8500Z-BK

Ultra 4K HD large venue laser projector delivering rich connectivity and 20,000 hours of operational time



## Features

- Ultra HD 4K (3,840 x 2,160) resolution for outstanding details and stunning visuals
- DLP® DarkChip3™ and BrilliantColor™ technologies for optimal black levels and vibrant colorful images
- Solid state laser phosphor light source for reliable projection and performance
- Environmentally friendly lamp-less design that is mercury-free and energy efficient
- 7,500 ANSI lumens with a dynamic 100,000:1 contrast ratio for an amazing image quality
- Almost maintenance-free with up to 20,000 hours of operating time
- Advanced video processor for fluid video streaming and 10-bit programmable RGB color adjustments
- Latest in Vivitek laser light source technology produces rich colors for an incredible cinematic like movie experience
- Fine tune and optimize an image with advanced calibrations, including gamma and color management settings
- Built-in hardware edge blending and warping functionality
- Powered zoom, focus and lens shift (horizontal/vertical) for easy adjustment and positioning flexibility
- Lens Positioning Memory (LPS) for quick recall of user defined lens positions (focus, zoom and lens shift)
- Picture-in-Picture (PIP) for simultaneously image projection from two different active sources
- Full suite of display connectivity inputs and outputs including: HDMI v2.0, DisplayPort v1.2, 3G-SDI-In/Out, HDBaseT™
- Advanced HDMI 2.0 (x2) connectors for high resolution and quality digital video signals and quick data transfer rates
- HDBaseT™ interface with support for distribution of digital UHD video content over standard CAT5e/6 LAN cable
- Portrait mode projection allows the projector to be easily setup and installed in a 90° installation
- 360° operation and projection design for set up in all angles
- Instantaneous power-on & off, so no need for system pre-heating and post-cooling
- Airtight sealed engine and filter-less design for improved performance against fighting dust and fibers
- Eight (8) interchangeable lens options with quick touch lens release design for easy lens removal and reinstallation

## Specifications

Display Type	Single Chip 0.67" DLP Technology by TI	
Brightness	7,500 ANSI Lumens (TBD)	
Display Resolution	UHD (3840 x 2160)	
Maximum Resolution	UHD (3840 x 2160)@60Hz	
Contrast Ratio	100,000:1	
Laser Life/Type	Up to 20,000 hours (Laser Phosphor Light Engine)	
Throw Ratio*	1.73 - 2.27:1	
Image Size (Diagonal)*	40" - 500"	
Projection Distance*	1.45 - 24.85m (4.77ft to 81.52ft)	
Projection Lens*	F = 1.7 - 1.9, f = 26 - 34mm	
Zoom Ratio*	1.3x	
Aspect Ratio	16:9	
Offset	Motorized Lens Shift	
Keystone Correction	Horizontal ±60°, Vertical ±40° (Adjustable range of single direction)	
Horizontal Frequency	15, 30 – 90Hz	
Vertical Scan Rate	50 - 85Hz	
Edge Blending	Yes (Built-In)	
Warping	Yes (Built-In)	
3D Functionality	No	
Lens Shift Range**	Vertical: -33% to 64%, Horizontal: -14% to 24%	
Computer Compatibility	VGA, SVGA, XGA, WXGA, SXGA, SXGA+, UXGA, 1080P, WUXGA@60hz, UHD 3840x2160@60Hz Mac	
Video Compatibility	SDTV (480i, 576i), EDTV (480p, 576p), HDTV (720p, 1080i/p), UHD 3840x2160@60Hz	
I/O Connection Ports	HDMI 1/2 v2.0 (x2), G-SDI-In/Out, DisplayPort v1.2, RS-232, 12v Trigger, Wired Remote, HDBaseT™, RJ45	
Projection Method	Table Top, Ceiling Mount (Front or Rear)	
Security Solutions	Kensington® Security Slot, Security Bar, Keypad Lock, Anti-Theft Lens Screw	
Dimensions (WxDxH)	500 x 580 x 205mm (19.7" x 22.8" x 8.1")	
Weight	29kg (63.9lbs)	
Available Colors	Black (DK8500Z-BK)	
Noise Level	40dB (Normal Mode)	
Power Supply	AC 100-240V, 50/60Hz	
Power Consumption	Normal Mode	890W@100Vac, 845W@240Vac
	Network Standby	Less than 3W
	Eco Standby	Less than 0.5W
Environmental Conditions	Operating	Operating At temperature 0 to 40°C, relative humidity 10% to 85%, non-condensation
	Storage	At temperature -10 to 60 °C, relative humidity 5% to 95%, non-condensation
Standard Accessories	AC Power Cord, Remote Control w/Batteries, Lens Cap, Anti-Theft Lens Screw, Documentation Kit	
Optional Accessories	Interchangeable Lens Options (x8)**	

\*Note: Standard Lens

\*\*Note: Lens shift compatibility with all lenses except D88-WF18501 Wide Fixed Lens (3797745100-SVK) and D88-UST01 Ultra-Short Throw Lens (3797855700-SVK)

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## Photos

