

LARGE VENUE  
4K LASER PROJECTOR

# DK8500Z-BK

Ultra 4K HD Large Venue Laser Projector with HDBaseT™ delivering high performance and prestige rich image

## 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		
<b>Display Type</b>	Single Chip 0.66" DLP Technology by TI	
<b>Brightness</b>	7,500 ANSI Lumens	
<b>Native Resolution</b>	UHD (3840 x 2160), 16:9 format	
<b>Contrast Ratio</b>	100,000:1	
<b>Laser Life/Type</b>	20,000 + hours (Laser Phosphor Light Engine)	
<b>Aspect Ratio</b>	16:9 Native	
<b>Image Size (Diagonal)*</b>	40" – 500"	
<b>Keystone Correction</b>	Vertical ±25° - ±30°, Horizontal ±30°	
<b>Horizontal Frequency</b>	15, 31 - 90Hz	
<b>Vertical Scan Rate</b>	24 - 30Hz, 47 - 85Hz	
<b>Projector Lens *</b>	8 options (See page 2 for specification)	
<b>Lens Shift Range*</b>	Vertical: -33% to +64%, Horizontal: -14% to +24%	
<b>Offset*</b>	Motorize Lens Shift (See page 2 for specification)	
<b>Edge Blending</b>	Yes (Built-In)	
<b>Warping</b>	Yes (Built-In)	
<b>Computer Compatibility</b>	VGA, SVGA, XGA, WXGA, SXGA+, UXGA, 1080P, WUXGA@60Hz, UHD 3840x2160@60Hz Mac	
<b>Video Compatibility</b>	SDTV (480i, 576i), EDTV (480p, 576p), HDTV (720p, 1080i/p), UHD 3840x2160@60Hz	
<b>I/O Connection Ports</b>	HDMI v 2.0 (x2)	LAN Control (RJ45)
	HDBaseT™	RS-232-In/Out (DB-9)
	Display Port v.1.2	Wire Remote 3.5mm
	3G-SDI-In/Out	12V Trigger (3.5mm Jack) x2
<b>Projection Method</b>	Table Top, Ceiling Mount (Front or Rear)	
<b>Security Solutions</b>	Kensington® Security Slot, Security Bar, Anti-Theft Lens Screw	
<b>Dimensions (WxDxH)</b>	19.7" x 22.8" x 8.1" (500 x 580 x 205mm)	
<b>Weight</b>	64lbs (29Kg)	
<b>Available ID Colors</b>	Black (DK8500Z-BK)	
<b>Noise Level</b>	40dB	
<b>Power Supply</b>	AC 100-240V, 50/60Hz	
<b>Power Consumption</b>	Normal Mode	890W@100Vac, 845W@240Vac
	Network Standby	Less than 3W
	Eco Standby	Less than 0.5W
<b>Environment Condition</b>	Operating	0° to 40°C, (0 to 104°F), humidity 10 to 85% non-condensation
	Storage	-10° to 60°C (14 - 140°F), humidity 5 - 95% non-condensation
<b>Standard Accessories</b>	AC Power Cord, Remote Control, Lens Cap, Anti-Theft Lens Screws, Documentation Kit	
<b>Optional Accessories</b>	Interchangeable Lens Options (x8)	
<b>UPC Code (Projector)</b>	813097023155	

\*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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## Vivitek Large Venue Projector Lenses

Eight (8) interchangeable lens options for greater installation flexibility

### Features

- Eight (8) high-performance lenses designed for a variety of medium to large venue applications
- Wide throw ratio range starting from 0.38 up to a maximum 8.36:1 (Depends on projector resolution) for installation placement ease.
- Available in a variety of zoom ratios between 1.25x and 1.65x
- Powered focus and zoom for easy image adjustments
- Encoding for lens memory function (Selected models only)
- One touch quick release button for simple lens insertion and removal
- All optical elements are made of highest quality optical materials for less light loss and precision geometry

### Specifications

Image								
<b>Model Number</b>	D88-UST01B*/***	D88-WF18501*/***	D88-UWZ01*	D88-WZ01	D88-ST001	D88-SMLZ01	D88-LOZ101	D88-LOZ201
<b>Part Number</b>	3797866500-SVK	3797745100-SVK	3797804200-SVK	3797745200-SVK	3797744200-SVK	3797745000-SVK	3797745400-SVK	3797744900-SVK
<b>Lens Type</b>	Ultra Short Throw	Wide Fixed Lens	Ultra-Wide Zoom	Wide Zoom Lens	Standard Lens	Semi Long Zoom	Long Zoom Lens 1	Long Zoom Lens 2
<b>UPC Code</b>	813097021809	814964336835	814964339379	814964336842	814964336828	814964336859	814964336866	814964336873
<b>Throw Ratio</b>	0.38:1	0.76:1	0.75-0.94:1	1.26 - 1.79:1	1.73 – 2.27:1	2.22 - 3.69:1	3.58 - 5.40:1	5.34 - 8.36:1
<b>Zoom Ratio</b>	N/A	N/A	1.25x	1.41x	1.3x	1.65x	1.5x	1.55x
<b>Offset</b>	Power Lens Shift***	Power Lens Shift***	Power Lens Shift	Power Lens Shift	Power Lens Shift	Power Lens Shift	Power Lens Shift	Power Lens Shift
<b>Lens Shift</b>	N/A	N/A	Ver: -33% to +64% Hor: -14% to 24%	Ver: -33% to +64% Hor: -14% to 24%	Ver: -33% to +64% Hor: -14% to 24%	Ver: -33% to +64% Hor: -14% to 24%	Ver: -33% to +64% Hor: -14% to 24%	Ver: -33% to +64% Hor: -14% to 24%
<b>f Value (Focal Length)</b>	5.64mm	11.6mm	11.3 – 14.1mm	18.7 - 26.5mm	26 - 34mm	32.9 - 54.2mm	52.8 - 79.1mm	78.5 - 121.9mm
<b>F Number</b>	2.0	1.85	1.96 – 2.3	1.85 - 2.5	1.7 - 1.9	1.86 - 2.48	1.85 - 2.41	1.85 - 2.48
<b>Image Size (Diagonal)</b>	100" – 350"	40" – 500"	40" – 500"	40" – 500"	40" – 500"	40" – 500"	40" – 500"	40" – 500"
<b>Projection Distance (Projection Distance Range)</b>	0.87 – 2.81m	0.66 – 8.73m	0.64 – 10.66m	1.08 – 20.14m	1.50 – 25.55m	1.93 – 41.45	3.10 - 60.66m	4.55 – 94.09m
<b>Focus/Zoom Adjustment</b>	Motorized	Motorized	Motorized	Motorized	Motorized	Motorized	Motorized	Motorized
<b>Dimensions (D x L)</b>	313 x 421mm (12.3" x 16.6")	102 x 160mm (4" x 6.3")	100 x 141mm (3.9 x 5.5")	100 x 166mm (3.9" x 6.5")	100 x 141mm (3.9 x 5.5")	100 x 160mm (3.9" x 6.3")	100 x 173mm (3.9" x 6.8")	100 x 210mm (3.9" x 8.3")
<b>Weight</b>	2,700g (5.9lbs)	910g (2lbs)	1280g (1.8lbs)	1,090g (2.4lbs)	820g (1.8lbs)	950g (2.1lbs)	1,020g (2.2bs)	1,350g (2.9lbs)

\*\*NOTE: ON-AXIS, FIXED CENTER SCREEN, \*\*\* D88-WF18501 WIDE FIXED LENS (3797745100-SVK) AND D88-UST01 ULTRA-SHORT THROW LENS (3797866500-SVK) ARE NOT COMPATIBLE WITH LENS SHIFT. LENS THROW, IMAGE SIZE AND ZOOM RATIO IS SUBJECT TO A 5% TOLERANCE. GEOMETRY IS SUBJECT TO A 0.6% TOLERANCE OF IMAGE HEIGHT AND/OR WIDTH. ©2015 VIVITEK. VIVITEK IS A TRADEMARK OF DELTA ELECTRONICS, INC. OTHER TRADEMARKS ARE THE PROPERTIES OF THEIR RESPECTIVE OWNERS. VALUES, WEIGHTS AND DIMENSIONS SHOWN ARE APPROXIMATE. ERRORS AND OMISSIONS ACCEPTED. SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.