



DK8500Z DK10000Z

4K UHD Large Venue
Laser Projector with
Edge-Blending

Overview

The DK8500Z and DK10000Z are professional 4K-UHD laser projectors with edge-blending and warping technology for large venue applications. This series can deliver up to 10,000 lumens high brightness and 3,000,000:1 dynamic contrast ratio for an amazing image quality. To meet all installation requirements, the DK8500Z and DK10000Z support eight motorized lens with lens position memory, 3G-SDI and HDBaseT connectivity, and 360-degree and portrait projection for maximum installation flexibility.



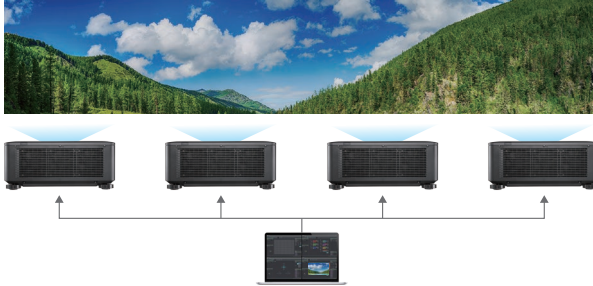


Key Features

Building-in Edge Blending



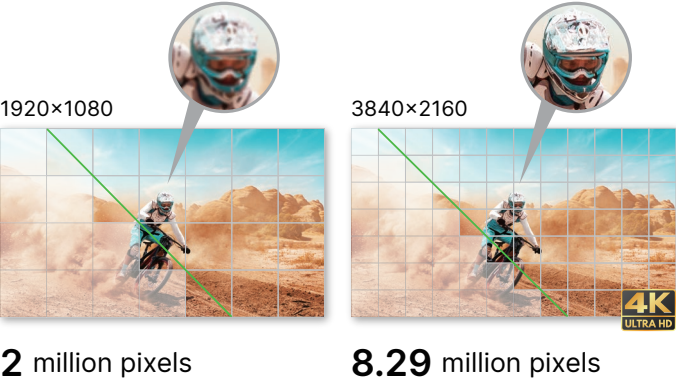
The DK8500Z and DK10000Z both feature edge-blending capability. Multiple projectors simultaneously project a combined image for a stunning display and seamless image on large displays.



4K UHD Resolution



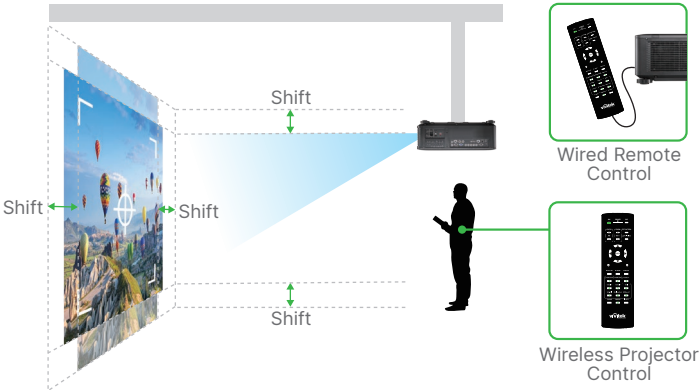
With Texas Instruments' single chip 4K-UHD XPR technology, the DK8500 and DK10000 offer exceptional picture clarity in 4K UHD resolution and up to 10,000 lumens brightness to deliver outstanding detail and stunning 8.3 million pixels visuals on the screen.





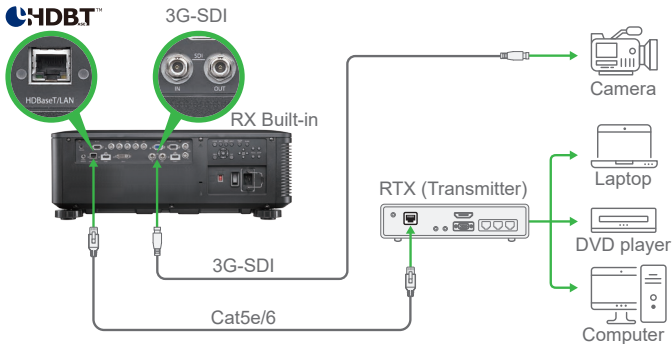
Lens Position Memory

The DK8500Z and DK10000Z come with powered zoom, focus and lens shift (horizontal / vertical) for easy adjustment and positioning flexibility. Lens Positioning Memory also offers quick recall of user-defined lens positions (focus, zoom and lens shift) for easy setup to ensure perfectly proportioned images.



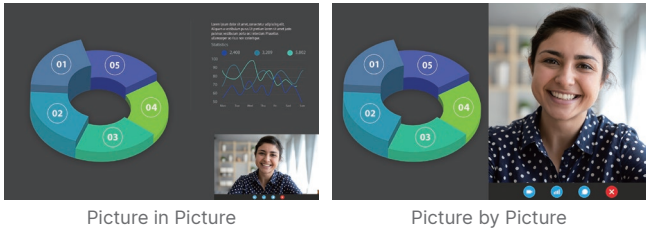
Supports 3G-SDI & HDBaseT™ Connectivity

The DK8500Z and DK10000Z have built-in 3G-SDI and HDBaseT™ interfaces for long-distance signal transmission of high-quality audiovisual content. HDBaseT™ reduces cabling requirements and installation, saving time and costs.



Picture-in Picture / Picture-by-Picture

The DK8500Z and DK10000Z support Picture-in-Picture and Picture-by-Picture. Signals can be delivered from two different digital input sources at the same time.



Liquid Cooling System

Vivitek's DK8500Z and DK10000Z feature a novel cooling system based on three components: Liquid, Air and Thermoelectric (TEC) cooling to reduce and dissipate heat from critical components to ensure stable operation and longevity.



High Standard Anti-Dust Protection

The optical system, from the laser light source to lens is completely sealed and rated IP6X for protection against dust ingress, ensuring consistent brightness over time with reliable performance and much reduced need for maintenance.

Specifications

Model	DK8500Z	DK10000Z	
Display Type	DLP Single Chip 0.66"		
Brightness*	7,500 Lumens	10,000 Lumens	
Native Resolution	UHD (3840 x 2160)		
Maximum Resolution	UHD (3840 x 2160)@60Hz		
Contrast Ratio	3,000,000:1		
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 $\pm 60^\circ$, Vertical $\pm 40^\circ$ (Adjustable range of single direction)		
Horizontal Frequency	15, 30 - 90Hz		
Vertical Scan Rate	50 - 85Hz		
3D Functionality	N/A		
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 Ports	HDMI 1/2 v2.0 (x2) (HDCP v2.2 Compliant), 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)	43dB (Normal Mode)	
Power Supply	AC 100-240V, 50/60Hz		
Power Consumption	Normal Mode	890W@100Vac, 845W@240Vac	1100W@100Vac, 1350W@220Vac
	Network Standby	Less than 3W	
	Eco Standby	Less than 0.5W	
Standard Accessories	AC Power Cord, Remote Control w/Batteries, Lens Cap, Anti-Theft Lens Screw, Documentation Kit		
Optional Accessories	Interchangeable Lens Options (x8)**		

*Using Standard Lens

**Lens shift compatibility with all lenses except D88-WF18501 Wide Fixed Lens (3797745100-SVK) and D88-UST01 Ultra-Short Throw Lens (3797866500-SVK)



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