vivitek®
Vivid Color, Vivid Life

LARGE VENUE 3D LASER PROJECTOR | DU9800-BK

SSL Laser projector delivering 18,000 lumens, rich connectivity, edge-blending, and maintenance-free operating time

Features

- Bright 18,000 ANSI lumens with a native WUXGA (1920 x 1200)
- resolution for impeciablle colors and outstanding details
- 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
- 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
- Laser light source produces rich colors for an incredible cinematic 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
- Picture-in-Picture (PIP) for simultaneous image projection from two active sources
- Full suite of display connectivity inputs and outputs including: HDMI v1.4, DVI-D, Component (5 BNC) , VGA-In, 3G-SDI-In/Out, VGA-Out, HDBaseT™
- HDBaseT™ interface with support for distribution of digital 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 postcooling
- Airtight sealed engine and filter-less design for improved performance against dust and fibers
- Frame sequential and dual channel 3D supported
- Complete range of motorized interchangeable lens in sizes from 0:84 to 7:01 (optional)
- Optimized system layout with high efficiency cooling system
- Heavy duty steel chassis for extra strength and integrity
- 2 4/7 continuous operation with no downtime
- Network ready for integration and system administration via RJ45

Photo

Specifications

Specifications		
Display Type	Single Chip 0.96" DLP Technology by TI	
Brightness	18,000 ANSI Lumen **Note:** 200-240V is required for full output (NEMA 6-15)	
Native Resolution	WUXGA (1920 x 1200), 16:10 format	
Contrast Ratio	10,000:1	
Laser Life/Type	20,000 + hours (Laser Phosphor Light Engine)	
Aspect Ratio	16:10 Native	
Image Size (Diagonal)*	40" – 500"	
Keystone Correction	Vertical ±40°, Horizontal ±60° (Adjustable Range of single direction)	
Horizontal Frequency	15, 31 - 90Hz	
Vertical Scan Rate	24 - 30Hz, 47 - 85Hz	
Projector Lens *	5 lens options (See page 2 for specification)	
Lens Shift Range*	Vertical: ±50%, Horizontal: ±15%	
Offset*	Motorize Lens Shift (See page 2 for specification)	
Edge Blending	Yes (Built-In)	
Warping	Yes (Built-In)	
Computer Compatibility	VGA, SVGA, XGA, WXGA,SXGA, SXGA+, UXGA, 1080P, WUXGA@60hz, Mac	
Video Compatibility	SDTV (480i, 576i), EDTV (480p, 576p), HDTV (720p, 1080i, 1080p	
I/O Connection Ports	HDMI v1.4 (x2), HDCP v1.4 Compliant	
	HDBaseT™ / LAN Control (Shared) RJ45	
	DVI-D	Component/RGBHV (5 BNC)
	3G-SDI-In/Out	RS-232-In/Out (DB-9)
	VGA-In/Out	Wire Remote (3.5mm Jack)
	3D Sync IN/Out	12V Trigger (x2) (3.5mm Jack)
Projection Method	Table Top, Ceiling Mount (Front or Rear)	
Security Solutions	Kensington® Security Slot, Security Bar, Anti-Theft Lens Screw	
Dimensions (WxDxH)	26.8" x 20.8" x 9.7" (681x 530 x 248mm)	
Weight	106lbs (48Kg)	
Available ID Colors	Black (DU9800Z-BK)	
Noise Level	43dB	
Power Supply	AC 100-240V, 50/60Hz	
Power Consumption	Normal Mode	1,200W@100Vac, 1,800W@240Vac
	Network Standby	Less than 6W
	Eco Standby	Less than 0.5W
Environment Condition	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
Standard Accessories	AC Power Cord, Remote Control, Lens Cap, Anti-Theft Lens Screws, Documentation Kit	
Optional Accessories	Interchangeable Lens Options (x5)	
UPC Code (Projector)	813097023377	

Brightness specification is based on 240V AC

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DU9800Z Series Projector Lenses

High-performance lenses for large venue installations

Features

- Five high-performance lenses designed for a variety of large venue applications
- Wide throw ratio range starting from 0.84 up to a maximum 7.0:1 (Depends on resolution)
- Available in a variety of zoom ratios including 1.3x, 1.33x, 1.67x, 1.75x and 2.0x
- Simple lens insertion and removal
- Support for powered zoom, focus and lens shift features for easy adjustment and movement
- Light weight, yet heavy duty construction
- Sealed structure for dust and moisture resistance
- Compatible with Vivitek DU9800Z projector

Specifications

Image					
Model Number	D98-0912	D98-1215	D98-1520	D98-2040	D98-4070
Part Number	3797976800-SVK	3797859900-SVK	3797886100-SVK	3797893200-SVK	3797858100-SB
Lens Type	Ultra-Wide Angle Lens	Short Throw Lens	Standard Lens	Long Throw Lens	Ultra-Long Throw Lens
Throw Ratio	0.9 - 1.2:1	1.2 - 1.56:1	1.5 - 2.0:1	2.0 - 4.0:1	4.0 - 7.0:1
Zoom Ratio	1.33x	1.3x	1.33x	2.0x	1.75x
fValue (Focal Length)	19.34 – 25.76mm	25.69mm - 33.22mm	31.9mm - 42.2mm	42.6mm – 84.8mm	83.93mm - 146.85mm
F Number	2.2 – 2.53	2.18 - 2.66	2.17 – 2.65	2.17 - 2.64	2.2 - 2.57
Image Size (Diagonal)	50" – 500"	40" – 500"	40" – 500"	40" – 500"	40" – 500"
Projection Distance (Approximate)	0.92 -13.46m	0.95 – 17.47m	1.24 – 21.84m	2.65 - 41.77m	4.38 – 74.51m
Lens Shift Range	Vertical: ±45%, Horizontal: ±15%	Vertical: ±50% Horizontal: ±15%	Vertical: ±50%, Horizontal: ±15%	Vertical: ±50%, Horizontal: ±15%	Vertical: ±50%, Horizontal: ±15%
Focus/Zoom Adjustment	Motorized	Motorized	Motorized	Motorized	Motorized
Available Color	Black	Black	Black	Black	Black
Accessories	Lens Hood, Cap	Lens Hood, Cap	Lens Hood, Cap	Lens Hood, Cap	Lens Hood, Cap
Dimensions (Diameter x Length)	136 x 298.7mm (5.4"x 11.8")	120 x 228.5mm (4.7" x 9")	92 x 217.92mm (4.7" x 8.6")	112 x 251mm (3.7" x 9.88")	77 x 247mm (3.0" x 9.7")
Weight	2,676g (5.9bs)	2,010g (4.43lbs)	2,010g (4.43lbs)	2,663g (5.87lbs)	1,930g (4.25lbs)

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