

LARGE VENUE
3D LASER PROJECTOR

DU7299Z-WH

Versatile High Performance WUXGA Large Venue Laser Projector, with HDBaseT™, 4K compatible and 3D Ready



Features

- Solid state laser phosphor light source for reliable projection and performance.
- Environmentally friendly lamp-less design that is mercury-free and energy efficient.
- DLP® and BrilliantColor™ technologies for high-performance projection
- Brightness 9,600 lumens with a high 3,000,000:1 contrast ratio for an amazing image quality
- Almost maintenance-free with up to 20,000 hours of operating time
- Native WUXGA resolution with up to UHD-4K video signal transmission through HDBaseT™ and HDMI v2.0 interface
- Embedded smart sensor detects the brightness levels and automatically adjusts the output levels to ensure a constant bright image.
- Powered zoom, focus and lens shift (horizontal/vertical) for easy adjustment and positioning flexibility.
- Lens Positioning Memory for quick recall of user defined lens positions (focus, zoom and lens shift)
- Distorted and trapezoid image issues are easily corrected with HV keystone and 4-corner adjustments.
- High Dynamic Range (HDR10) delivers enriched brightness and vibrancy for precise natural colors.
- Full suite of display connectivity inputs and outputs including HDMI v2.0, DVI-D, HDBaseT™, Component (5 BNC), VGA-In/Out
- HDBaseT™ interface with support for distribution of digital HD video content over standard CAT5e/6 LAN cable
- 3D compatibility with DLP® Link™ and HDMI 2.0 technology support (Blu-ray, side by side, frame packing, top and bottom) for dazzling and realistic life-like images
- 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.
- Built-in 12V trigger for convenient screen control
- Nine (9) interchangeable lens options with quick touch lens release design for easy lens removal and re-installation
- Airtight sealed engine and filter-less design for improved performance against fighting dust and fibers
- Optimized system layout with high efficiency cooling system
- 24/7 continuous operation with no downtime
- Network ready for integration and system administration via RJ45
- Remotely manage and monitor a location's networked projectors from a centralized PC with Vivitek Projector Control Suite - a free companion app for Windows OS
- Supported Art-Net protocol with DMX controller for Stage Console system.
- Usage time & power level locked provide convenient settings for rental market.

Photos



Specifications		
Display Type	Single Chip 0.67" DLP Technology by TI	
Brightness	9,600 ANSI Lumens	
Native Resolution	WUXGA (1920 x 1200), 16:10 format	
Supportive Resolution	UHD (3840 x 2160) @60Hz 4K Compatible	
Contrast Ratio	1,300:1 (Native) / 20,000:1 (Dynamic) / 3,000,00:1 (Full On/Off)	
Laser Life/Type	20,000 + hours (Laser Phosphor Light Engine)	
Aspect Ratio	16:10 Native	
Offset	Motorized Lens Shift	
Keystone Correction	Vertical ±30°, Horizontal ±30°	
Horizontal Frequency	15, 31 – 102kHz	
Vertical Scan Rate	24 - 30Hz, 47 - 120Hz	
3D	Yes (DLP® Link™, HDMI 2.0 (Blu-Ray 3D))	
Speaker	10W (x2)	
Lens Shift Range*	Vertical: Bottom 50% to Top 70%, Horizontal: -5% - +5%	
Projector Lens*	9 options (See page 2 for specification)	
Computer Compatibility	VGA, SVGA, XGA, SXGA, SXGA+, UXGA, WUXGA, 4K@60hz, Mac	
Video Compatibility	SDTV (480i, 576i) / EDTV (480p, 576p) / HDTV (720p, 1080i, 1080p), UHD, NTSC (M, 3.58/4.43 MHz), PAL (B,D,G,H,I,M,N) SECAM (B,D,G,K,K1,L)	
I/O Connection Ports	HDMI v.2.0 (X2) HDCP v2.2	Audio-In (3.5mm Jack)
	DVI-D	Audio-Out (RCA L/R)
	HDBaseT (Full Spec) RJ45	Wire Remote 3.5mm In/Out
	Component/RGBHV (5 BNC)	3D-Sync In/Out
	VGA-In / Out (DB15)	12V Trigger (3.5mm Jack)
	LAN Control (RJ45)	USB Type A (5V/1.5A)
	RS-232-In/Out (DB-9)	USB Type B (Service Only)
Projection Orientation	Tabletop, Ceiling Mount (Front or Rear)	
Security Solutions	Kensington® Security Slot, Security Bar, Keypad Lock	
Dimensions (WxDxH)	18.5" x 20.3" x 7.9" (470 x 517 x 202mm)	
Weight	51.8lbs (23.5Kg)	
Available ID Colors	White (DU7099Z-WH), Black (DU7099Z-BK)	
Noise Level	40dB/38dB (Normal/Eco. Mode)	
Power Supply	AC 100-240V, 50/60Hz	
Power Consumption	575W (Normal Mode), 560W (Eco. Mode), <0.5W (Standby Mode), <2W (LAN Standby Mode)	
Standard Accessories	AC Power Cord, VGA Cable, Remote Control, Filter, Lens Cap, Documentation Kit	
Optional Accessories	Interchangeable Lens Options (x9)	
UPC Code (Projector)	DU7299Z-WH (White ID): 813097025920	



Vivitek H7 MKII Large Venue Projector Lenses

Eight (9) interchangeable lens options for greater installation flexibility

Features

- Eight (9) high-performance lenses designed for a variety of medium to large venue applications
- Wide throw ratio range starting from 0.47:1 up to a maximum 8.26:1 (Depends on projector resolution) for installation placement ease.
- Available in a variety of zoom ratios between 1.06x and 1.65x
- Powered focus and zoom for easy image adjustments (not including D86-04705)
- Supported Lens memory function (not including D86-04705)
- 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

DU7099Z, DU7199Z, DU7299Z

Image									
Model Number	D86-04705	D86-0711	D86-1113	D86-1216	D86-1519	D86-1929	D88-SMLZ01	D88-LOZ101	D88-LOZ201
Part Number	SS-D86-04705-VVW	SS-5811129741-VV	SS-5811129742-VV	SS-5811131167-VV	SS-5811129740-V	SS-5811131168-VV	3797745000-SVK	3797745400-SVK	3797744900-SVK
Lens Type	Short Zoom 1	Short Zoom 2	Short Zoom 3	Semi Short Zoom	Standard Zoom	Semi Long Zoom 1	Semi Long Zoom 2	Long Zoom Lens 1	Long Zoom Lens 2
Compatibility	Compatible with DU6198Z/DU6298Z/DU7099Z/DU7199Z/DU7299Z								
Throw Ratio	0.47~0.5	0.77~1.1	1.1 - 1.3	1.25~1.60	1.54 - 1.93	1.93 - 2.9	2.22 - 3.67:1	3.58 - 5.38:1	5.31 - 8.26:1
Zoom Ratio	1.06x	1.42x	1.18x	1.28x	1.25x	1.5x	1.65x	1.5x	1.55x
Brightness Ratio	95%	99.5%	99.4%	101%	100%	89%	100.4%	99.3%	100.4%
Offset	Power Lens Shift	Power Lens Shift	Power Lens Shift	Power Lens Shift					
f Value (Focal Length)	7.43mm	11.45 - 16.32mm	16.64 - 19.54mm	18.65 - 23.85mm	22.84 - 28.61mm	28.5 - 42.75mm	32.9 - 54.2mm	52.8 - 79.1mm	78.5 - 121.9mm
F Number	2.1	2.1 - 2.6	2.05 - 2.27	2.0 - 2.44	2.02 - 2.40	2.5 - 3.1	1.86 - 2.48	1.85 - 2.41	1.85 - 2.48
Image Size (Diagonal)	80"~300"	42.3"~500"	35.8" ~ 500"	39.1"~500"	40" - 500"	32.1" ~ 500'	40" - 500"	40" - 500"	40" - 500"
Projection Distance	0.81 - 3.16m	1 - 12m	1 - 14.26m	1.35 - 17.5m	2 - 21.2m	2.0 - 31.8m	1.87 - 40.33m	3.01 - 59.02m	4.42 - 91.54m
Focus/Zoom Adjustment	Manual	Motorized	Motorized	Motorized	Motorized	Motorized	Motorized	Motorized	Motorized
Dimensions (D x L)	125 x 186mm (4.92" x 7.32")	118 x 201.48mm (4.64" x 7.93")	118 x 197.77mm (4.64" x 7.78")	118 x 180.8mm (4.64" x 7.11")	95 x 170.27mm (3.74" x 6.7")	95 x 137.41mm (3.74 x 5.4")	100 x 160mm (3.9" x 6.3")	100 x 173mm (3.9" x 6.8")	100 x 210mm (3.9" x 8.3")
Weight	1000g(2.2lbs)	1208g (2.66lbs)	944.8g (2.08lbs)	863g (1.9lbs)	690g (1.52lbs)	556g (1.22lbs)	950g (2.1lbs)	1,020g (2.2bs)	1,350g (2.9lbs)

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.