

LARGE VENUE 3D LASER PROJECTOR DU7299Z-BK

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
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- 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-installationAirtight 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.



20,000+HR

LASER

CHDBT

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) Lase 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 JD 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, SKGA, SKGA+, UXGA, WUXGA, 4K@60hz, Mac Video Compatibility VEA, SVGA, ZGA, SKGA, SKGA+, UXGA, WUXGA, 4K@60hz, Mac DVI-D Audio-In (3.5mm Jack) DVI-D Audio-In (3.5mm Jack) DVI-D Audio-In (3.5mm Jack) DVI-D Audio-In (3.5mm Jack								
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Speaker10W (x2)Lens Shift Range*Vertical: Bottom 50% to Top 70%, Horizontal: -5% - +5%Projector Lens *9 options (See page 2 for specification)Computer CompatibilityVGA, SVGA, XGA, SXGA, SXGA+, UXGA, WUXGA, 4K@60hz, MacVideo CompatibilitySDTV (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)HDMI v.2.0 (X2) HDCP v2.2Audio-In (3.5mm Jack) DVI-DDVI-DAudio-Out (RCA L/R) HDBaseT (Full Spec) RJ45Wire Remote 3.5mm In/Out Component/RGBHV (5 BNC)3D-Sync In/Out VGA-In / Out (DB15)Projection OrientationTabletop, Ceiling Mount (Front or Rear)Security SolutionsKensington® Security Slot, Security Bar, Keypad Lock Dimensions (WxDxH)Noise Level40dB/38DdB (Normal/Eco. Mode)Power Consumption575W (Normal Mode), 560W (Eco. Mode), <0.5W (Standby Mode), <2W (LAN Standby Mode)	Vertical Scan Rate	24 - 30Hz, 47 - 120Hz						
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Projector Lens *9 options (See page 2 for specification)Computer CompatibilityVGA, SVGA, XGA, SXGA, SXGA+, UXGA, WUXGA, 4K@60hz, MacVideo CompatibilitySDTV (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)Image: Projection PortsHDMI v.2.0 (X2) HDCP v2.2Audio-In (3.5mm Jack) Wire Remote 3.5mm In/Out Component/RGBHV (5 BNC)I/O Connection PortsHDBaseT (Full Spec) RJ45Wire Remote 3.5mm In/Out VGA-In / Out (DB15)I/O Connection PortsKensington® Security SBNC)3D-Sync In/OutVGA.In / Out (DB15)12V Trigger (3.5mm Jack) USB Type A (5V/1.5A)Projection OrientationTabletop, Ceiling Mount (Front or Rear)Security SolutionsKensington® Security Slot, Security Bar, Keypad LockDimensions (WxDxH)18.5" x 20.3" x 7.9" (470 x 517 x 202mm)Weight51.8lbs (23.5Kg)Available ID ColorsWhite (DU70992-WH), Black (DU70992-BK)Noise Level40dB/38DdB (Normal/Eco. Mode)Power Consumption575W (Normal Mode), 560W (Eco. Mode), <0.5W (Standby Mode), <2W (LAN Standby Mode)	Speaker	10W (x2)						
Computer CompatibilityVGA, SVGA, XGA, SXGA, SXGA+, UXGA, WUXGA, 4K@60hz, MacVideo CompatibilitySDTV (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)Image: the two	Lens Shift Range*	Vertical: Bottom 50% to Top 70%, Horizontal: -5% - +5%						
Video CompatibilitySDTV (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)IVideo CompatibilityHDMI v.2.0 (X2) HDCP v2.2Audio-In (3.5mm Jack) DVI-DIVI-DAudio-Out (RCA L/R)HDBaseT (Full Spec) RJ45Wire Remote 3.5mm In/OutComponent/RGBHV (5 BNC)3D-Sync In/OutVGA-In / Out (DB15)12V Trigger (3.5mm Jack)LAN Control (RJ45)USB Type A (5V/1.5A)R5-232-In/Out (DB-9)USB Type B (Service Only)Projection OrientationTabletop, Ceiling Mount (Front or Rear)Security SolutionsKensington® Security Slot, Security Bar, Keypad LockDimensions (WxDxH)18.5" x 20.3" x 7.9" (470 x 517 x 20.2mm)Weight51.8lbs (23.5Kg)Available ID ColorsWhite (DU70992-WH), Black (DU70992-BK)Noise Level40dB/38DdB (Normal/Eco. Mode)Power SupplyAC 100-240V, 50/60HzPower Consumption575W (Normal Mode), 560W (Eco. Mode), <0.5W (Standby Mode), <2W (LAN Standby Mode)Standard AccessoriesInterchangeable Lens Options (x9)	Projector Lens *	9 options (See page 2 for specification)						
Video Compatibility1080p), UHD, NTSC (M, 3.58/4.43 MHz), PAL (B,D,G,H,I,M,N) SECAM (B,D,G,K,K1,L)Image: Partial condition of the second condition condi	Computer Compatibility	VGA, SVGA, XGA, SXGA, SXGA+, UXGA, WUXGA, 4K@60hz, Mac						
DVI-DAudio-Out (RCA L/R)I/O Connection PortsHDBaseT (Full Spec) RJ45Wire Remote 3.5mm In/OutComponent/RGBHV (5 BNC)3D-Sync In/OutVGA-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 OrientationTabletop, Ceiling Mount (Front or Rear)Security SolutionsKensington® Security Slot, Security Bar, Keypad LockDimensions (WxDxH)18.5" x 20.3" x 7.9" (470 x 517 x 202mm)Weight51.8lbs (23.5Kg)Available ID ColorsWhite (DU70992-WH), Black (DU70992-BK)Noise Level40dB/38DdB (Normal/Eco. Mode)Power SupplyAC 100-240V, 50/60HzStandard AccessoriesAC Power Cord, VGA Cable, Remote Control, Filter, Lens Cap, Documentation KitOptional AccessoriesInterchangeable Lens Options (x9)	Video Compatibility	1080p), UHD, NTSC (M, 3.58/4.43 MHz), PAL (B,D,G,H,I,M,N)						
I/O Connection PortsHDBaseT (Full Spec) RJ45Wire Remote 3.5mm In/OutI/O Connection PortsComponent/RGBHV (5 BNC)3D-Sync In/OutVGA-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 OrientationTabletop, Ceiling Mount (Front or Rear)Security SolutionsKensington® Security Slot, Security Bar, Keypad LockDimensions (WxDxH)18.5" x 20.3" x 7.9" (470 x 517 x 202mm)Weight51.8lbs (23.5Kg)Available ID ColorsWhite (DU70992-WH), Black (DU70992-BK)Noise Level40dB/38DdB (Normal/Eco. Mode)Power SupplyAC 100-240V, 50/60HzPower ConsumptionS75W (Normal Mode), 560W (Eco. Mode), <0.5W (Standby Mode), <2W (LAN Standby Mode)Standard AccessoriesAC Power Cord, VGA Cable, Remote Control, Filter, Lens Cap, Documentation KitOptional AccessoriesInterchangeable Lens Options (x9)		HDMI v.2.0 (X2) HDCP v2.2	Audio-In (3.5mm Jack)					
I/O Connection PortsComponent/RGBHV (5 BNC)3D-Sync In/OutVGA-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 OrientationTabletop, Ceiling Mount (Front or Rear)Security SolutionsKensington® Security Slot, Security Bar, Keypad LockDimensions (WxDxH)18.5" x 20.3" x 7.9" (470 x 517 x 202mm)Weight51.8lbs (23.5Kg)Available ID ColorsWhite (DU70992-WH), Black (DU70992-BK)Noise Level40dB/38DdB (Normal/Eco. Mode)Power SupplyAC 100-240V, 50/60HzPower Consumption575W (Normal Mode), 560W (Eco. Mode), <0.5W (Standby Mode), <2W (LAN Standby Mode)Standard AccessoriesAC Power Cord, VGA Cable, Remote Control, Filter, Lens Cap, Documentation KitOptional AccessoriesInterchangeable Lens Options (x9)		DVI-D	Audio-Out (RCA L/R)					
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 OrientationTabletop, Ceiling Mount (Front or Rear)Security SolutionsKensington® Security Slot, Security Bar, Keypad LockDimensions (WxDxH)18.5" x 20.3" x 7.9" (470 x 517 x 202mm)Weight51.8lbs (23.5Kg)Available ID ColorsWhite (DU7099Z-WH), Black (DU7099Z-BK)Noise Level40dB/38DdB (Normal/Eco. Mode)Power SupplyAC 100-240V, 50/60HzPower Consumption575W (Normal Mode), 560W (Eco. Mode), <0.5W (Standby Mode), <2W (LAN Standby Mode)Standard AccessoriesInterchangeable Lens Options (x9)		HDBaseT (Full Spec) RJ45	Wire Remote 3.5mm In/Out					
LAN Control (RJ45)USB Type A (5V/1.5A)RS-232-In/Out (DB-9)USB Type B (Service Only)Projection OrientationTabletop, Ceiling Mount (Front or Rear)Security SolutionsKensington® Security Slot, Security Bar, Keypad LockDimensions (WxDxH)18.5" x 20.3" x 7.9" (470 x 517 x 202mm)Weight51.8lbs (23.5Kg)Available ID ColorsWhite (DU7099Z-WH), Black (DU7099Z-BK)Noise Level40dB/38DdB (Normal/Eco. Mode)Power SupplyAC 100-240V, 50/60HzPower Consumption575W (Normal Mode), 560W (Eco. Mode), <0.5W (Standby Mode), <2W (LAN Standby Mode)Standard AccessoriesInterchangeable Lens Options (x9)	I/O Connection Ports	Component/RGBHV (5 BNC)	3D-Sync In/Out					
RS-232-In/Out (DB-9)USB Type B (Service Only)Projection OrientationTabletop, Ceiling Mount (Front or Rear)Security SolutionsKensington® Security Slot, Security Bar, Keypad LockDimensions (WxDxH)18.5" x 20.3" x 7.9" (470 x 517 x 202mm)Weight51.8lbs (23.5Kg)Available ID ColorsWhite (DU7099Z-WH), Black (DU7099Z-BK)Noise Level40dB/38DdB (Normal/Eco. Mode)Power SupplyAC 100-240V, 50/60HzPower Consumption575W (Normal Mode), 560W (Eco. Mode), <0.5W (Standby Mode), <2W (LAN Standby Mode)		VGA-In / Out (DB15)	12V Trigger (3.5mm Jack)					
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Security SolutionsKensington® Security Slot, Security Bar, Keypad LockDimensions (WxDxH)18.5" x 20.3" x 7.9" (470 x 517 x 202mm)Weight51.8lbs (23.5Kg)Available ID ColorsWhite (DU7099Z-WH), Black (DU7099Z-BK)Noise Level40dB/38DdB (Normal/Eco. Mode)Power SupplyAC 100-240V, 50/60HzPower Consumption575W (Normal Mode), 560W (Eco. Mode), <0.5W (Standby Mode), <2W (LAN Standby Mode)		RS-232-In/Out (DB-9)	USB Type B (Service Only)					
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Weight51.8lbs (23.5Kg)Available ID ColorsWhite (DU7099Z-WH), Black (DU7099Z-BK)Noise Level40dB/38DdB (Normal/Eco. Mode)Power SupplyAC 100-240V, 50/60HzPower Consumption575W (Normal Mode), 560W (Eco. Mode), <0.5W (Standby Mode), <2W (LAN Standby Mode)	Security Solutions	Kensington [®] Security Slot, Security Bar, Keypad Lock						
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Power Consumption 575W (Normal Mode), 560W (Eco. Mode), <0.5W (Standby Mode), Standard Accessories AC Power Cord, VGA Cable, Remote Control, Filter, Lens Cap, Documentation Kit Optional Accessories Interchangeable Lens Options (x9)	Noise Level	40dB/38DdB (Normal/Eco. Mode)						
Power Consumption Mode), <2W (LAN Standby Mode)	Power Supply	AC 100-240V, 50/60Hz						
Standard Accessories Documentation Kit Optional Accessories Interchangeable Lens Options (x9)	Power Consumption							
· · · · · · · · · · · · · · · · · · ·	Standard Accessories							
UPC Code (Projector) DU7299-BK (Black ID): 813097025890	Optional Accessories	Interchangeable Lens Options (x9)						
	UPC Code (Projector)	DU7299-BK (Black ID): 813097025890						

Photos



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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	Power Lens Shift	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	125 x 186mm	118 x 201.48mm	118 x 197.77mm	118 x 180.8mm	95 x 170.27mm	95 x 137.41mm	100 x 160mm	100 x 173mm	100 x 210mm		
(D x L)	(4.92" x7.32")	(4.64" x7.93")	(4.64" x 7.78")	(4.64" x 7.11")	(3.74" x 6.7")	(3.74 x 5.4")	(3.9" x 6.3")	(3.9" x 6.8")	(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.

