



DU8190Z

Large Venue 3D Laser Projector

Super-bright LV laser projector
with rich connectivity and 20,000
hours of operational time



Features

- Laser phosphor engine incorporating a lamp-less design that is mercury-free and environmentally friendly
- 10,000 ANSI lumens with a dynamic 10,000:1 contrast ratio for an amazing image quality
- Built-in color sensor to maintain constant color and an optimal brightness ratio
- Low maintenance with up to 20,000 hours of operating time
- Native WUXGA resolution with a maximum WUXGA resolution
- 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 v1.4a, DVI-D, Component (5 BNC) , VGA-In, 3G-SDI-In/Out, VGA-Out, HDBaseT™
- HDBaseT™ interface with support for distribution of digital HD video content over standard CAT5e/6 LAN cable
- 3D compatibility with DLP® Link™ and HDMI 1.4 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
- Network ready for integration and system administration via RJ45
- Crestron® RoomView™ integration for network monitoring and management
- Eight (8) interchangeable lens options with quick touch lens release design for easy lens removal and reinstallation
- Sealed optical engine and filter-less design keep dust out and improves performance
- 24/7 continuous operation with no downtime

Display Type	Single Chip 0.67" DLP Technology by TI
Brightness	10,000 ANSI Lumens
Native Resolution	WUXGA (1920 x 1200)
Maximum Resolution	WUXGA (1920 x 1200)@60Hz (Reduced Blanking)
Contrast Ratio	10,000:1
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	16:10
Offset	Motorized Lens Shift
Keystone Correction	Horizontal ±60°, Vertical ±40°
Horizontal Frequency	15, 30 - 90Hz
Vertical Scan Rate	50 - 85Hz
Edge Blending	Yes (Built-In)
Warping	Yes (Built-In)
3D Functionality	Yes (DLP® Link™, HDMI v1.4 (Blu-ray, side by side, frame packing, top and bottom))
Lens Shift Range**	Vertical: 33% - 64%, Horizontal: -14% - 24%
Computer Compatibility	VGA, SVGA, XGA, WXGA, SXGA, SXGA+, UXGA, 1080P, WUXGA@60hz, Mac

Video Compatibility	SDTV (480i, 576i), EDTV (480p, 576p), HDTV (720p, 1080i/p) 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 V1.4a (x2)	HDBaseT™/LAN (Shared RJ45)
	3G-HDSI-In/Out	RS-232
	DVI-D	12-Volt Trigger (3.5mm)
	5 BNC (YPbPr / RGBHV)	3D-Sync In/Out
	VGA In/Out	Wire Remote (3.5mm)
Projection Method	Table Top, Ceiling Mount, Portrait (Front or Rear)	
Security Solutions	Kensington® Security Slot, Security Bar, Keypad Lock, Anti-Theft Lens Screw	
Dimensions (WxDxH)	19.7" x 22.8" x 8.1" (500 x 580 x 205mm)	
Weight	28kg (61.7lbs)	
Available Colors	Black (DU8190Z-BK)	
Noise Level	42dB (Normal Mode)	
Power Supply	AC 100-240V, 50/60Hz	
Power Consumption	Normal: 1,320@100Vac, 1,245@240Vac <6W@Network Standby, <0.5W@Eco Standby	
Standard Accessories	AC Power Cord, Remote Control w/Batteries, Lens Cap, Anti-Theft Lens Screw, Documentation Kit	
Optional Accessories	Interchangeable Lens Options (x8)**	
UPC Code	813097022882	

*Note: Standard Lens

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

Lens Part No.	3797745100-SV	3797804200-SVK	3797745200-SVK	3797744200-SV	3797745000-SVK	3797745400-SVK	3797744900-SVK	3797866500-SVK
Lens Description	Wide Fixed Lens (D88-WF18501)	Ultra-Short Zoom Lens (D88-UWZ01)	Short Zoom Lens (D88-WZ01)	Standard Zoom Lens (D88-ST001)	Long Zoom Lens 1 (D88-SMLZ01)	Long Zoom Lens 2 (D88-LOZ101)	Long Zoom Lens 3 (D88-LOZ201)	Ultra-Short Throw Lens (D88-UST01B)
Throw Ratio (±3%)	0.76:1	0.75 to 0.93:1	1.25 to 1.79:1	1.73 to 2.27:1	2.22 to 3.67:1	3.58 to 5.38:1	5.31 to 8.26:1	0.38:1
Image Size (Diagonal)	40" to 500" (1.01 to 12.7m)	40" to 500" (1.01 to 12.7m)	40" to 500" (1.01 to 12.7m)	40" to 500" (1.01 to 12.7m)	40" to 500" (1.01 to 12.7m)	40" to 500" (1.01 to 12.7m)	40" to 500" (1.01 to 12.7m)	100" to 350"
Projection Distance	2.15' to 26.91' (0.65 to 8.20m)	2.12' to 32.9' (0.64 to 10.0m)	3.54' to 63.3' (1.07 to 19.3m)	4.90' to 80.3' (1.49 to 24.4m)	6.29' to 129.9' (1.91 to 39.6m)	10.1' to 190.5' (3.07 to 50.06m)	15.0' to 292.5' (4.57 to 89.15m)	32.2" to 107" (0.82 to 2.71m)
Projection Lens	F=1.85, f=11.6mm	F=1.96-2.3, f=11.3-14.1mm	F=1.85-2.5 f=18.7-26.5mm	F=1.7-1.9, f=26-34mm	F=1.86-2.48 f=32.9-54.2mm	F=1.85-2.41 f=52.8-79.1mm	F=1.85-2.48 f=78.5-121.9mm	F=2.0 f=5.64mm
Zoom Ratio	N/A	1.25:1	1.41:1	1.31:1	1.65:1	1.5:1	1.55:1	N/A
Lens Shift Range (Motorized)	N/A	Vertical: -30% - +50%, Horizontal: ±10%	Vertical: -30% - +50%, Horizontal: ±10%	Vertical: -30% - +50%, Horizontal: ±10%	Vertical: -30% - +50%, Horizontal: ±10%	Vertical: -30% - +50%, Horizontal: ±10%	Vertical: -30% - +50%, Horizontal: ±10%	N/A

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