



## Impressive Brightness and Abundant Features for an Exceptional Large Screen Experience

The ideal solution for diverse large-venue applications, the Vivitek DX6831 features native XGA resolution, DLP®/BrilliantColor™, dual-lamp technologies, and HDBaseT. Designed for video stacking, the DX6831 features centered optics with motorized lens shift, zoom and focus including lens memories feature. The Vivitek DX6831 offers six interchangeable bayonet lens options to match up with various installation requirements. Featuring built-in edge blending, warping capabilities, the DX6831 can take you beyond its native aspect ratio and into endless possibilities.

### Features

- Native XGA resolution to match today's display requirements
- Extremely bright at 8000 lumens with a 3000:1 contrast ratio
- Dual-lamp technology limits down-time
- Centered lens design with six (6) interchangeable bayonet lens options
- Connectivity options include: HDMI, Display Port, DVI-D, BNC, VGA-in,
- Built-In edge blending and warping capabilities
- Motorized lens shift (vertical/horizontal) and power zoom/focus
- Lens memory features
- Interchangeable Color Enhancement Color Wheel (included)
- HDBaseT
- RJ45/RS-232c for integration and system administration
- 12-V trigger for external module connection
- Rear cover design for quick and easy lamp replacement

Specifications	
Brightness	8000 ANSI Lumens
Native Resolution	XGA (1024 x 768)
Max. Resolution	WUXGA (1920 x 1200)
Contrast Ratio	3000:1 (Full On/Full Off)
Lamp Life and Type	2500/2000 Hours (Eco/Normal), 350W Dual Lamp
Lamp Part #	3797802500-SVK
Display Type	Single DMD DLP® Technology by Texas Instruments
Aspect Ratio	4:3 Native, 16:9 Compatible
Keystone Correction	± 30° Vertical
Color Spectrum	1.07 Billion
Horizontal Scan Rate	15 to 108 KHz
Vertical Scan Rate	48 to 120Hz
3D	Full 3D
Remote Control	Fully Featured IR Remote
Projection Method	Table Top or Ceiling Mount (Front or Rear)
Uniformity	85%
Computer Compatibility	WUXGA, 1080p, UXGA, SXGA+, SXGA, XGA, SVGA, VGA Resized; VESA Standards; PC and Macintosh Compatible
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 v1.4, DVI-D, Display Port, DVI-D, 5 BNC (YPbPr/RGBHV), VGA-In, VGA-Out, RJ45 (HDBaseT compatible), 12V Trigger, RS-232C, 3D Sync, Wired Remote, USB (Service)
Security	N/A
Weight	44.1lbs (20 kg)
Dimensions (W x H x D)	20.1" x 9.55" x 21.26" (510 x 230 x 540mm)
Noise Level (Eco/Normal)	Single Lamp: 39dB/39dB, Dual Lamp: 39dB/43dB
Power	Supply: AC Input 100 - 240V, 50/60Hz Single Lamp Consumption: 450W (Normal), 440W (Eco), 0.5W (Standby) Dual Lamp Consumption: 870W (Normal), 660W (Eco), <0.5W (Standby Mode, LAN, RS232 Off)
Operating Temperature	41 to 104°F (5 to 40°C), 90% Max Humidity
Warranty	5-Year Limited Parts/Labor, 1-Year Lamp
Standard Accessories*	AC Power Cord, VGA Cable, Remote Control, Batteries for Remote, RGBCMY Color Wheel, User's Manual (CD), Warranty Card.
UPC	8 14964 33929 4

\*Lenses sold separately.



Lens Part No.	D88-UJ01	D88-WZ01	D88-ST001	D88-SMLZ01	D88-LOZ101	D88-LOZ101
Lens Description	Ultra Short Zoom Lens	Short Zoom Lens	Standard Zoom Lens	Long Zoom Lens 1	Long Zoom Lens 2	Long Zoom Lens 3
Throw Ratio (±3%)	0.77 to 0.97:1	1.30 to 1.85:1	1.79 to 2.35:1	2.30 to 3.81:1	3.71 to 5.57:1	5.50 to 8.56:1
Image Size (Diagonal)	50" to 300" (1.3 to 7.6m)	50" to 300" (1.3 to 7.6m)	50" to 300" (1.3 to 7.6m)	50" to 300" (1.3 to 7.6m)	50" to 300" (1.3 to 7.6m)	50" to 300" (1.3 to 7.6m)
Projection Distance	2.7' to 16.1' (0.8 to 4.9m)	4.4' to 37.9' (1.3 to 11.6m)	6.1' to 48.1' (1.9 to 14.7m)	7.8' to 77.8' (2.4 to 23.7m)	12.6' to 114.1' (3.9 to 34.8m)	18.8' to 175.1" (5.7 to 53.4m)
Projection Lens	F=1.96-2.3 f=19.3-25.8mm	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
Zoom Ratio	1.25:1, Power Zoom/Focus	1.43:1, Power Zoom/Focus	1.31:1, Power Zoom/Focus	1.65:1, Power Zoom/Focus	1.49:1, Power Zoom/Focus	1.56:1, Power Zoom/Focus
Lens Shift Range (Motorized)	Vertical: 50%, Horizontal: ±10%	Vertical: ±50%, Horizontal: ±10%	Vertical: 50%, Horizontal: ±10%	Vertical: 50%, Horizontal: ±10%	Vertical: 50%, Horizontal: ±10%	Vertical: 50%, Horizontal: ±10%