



Large Venue Projector

# Vivitek DU9800Z-BK

Shine Bright with an 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 (1,920 x 1,200) resolution for impeccable colors and outstanding details
- DLP® DarkChip3™ and BrilliantColor™ technologies for optimal black levels and vibrant colorful images
- Sold state laser phosphor light source for reliable projection and performance
- Embedded smart sensor detects the brightness levels and automatically adjusts the output levels to ensure a constant bright image
- 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 like movie 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 simultaneously image projection from two different 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
- Frame sequential and dual channel 3D support
- 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 post-cooling
- Airtight sealed engine and filter-less design for improved performance against fighting dust and fibers
- 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
- 24/7 continuous operation with no downtime
- Network ready for integration and system administration via RJ45

## Specifications

|                             |  |   |
|-----------------------------|--|---|
| Display Type                | Single Chip 0.96" DLP Technology by TI   |   |
| Brightness                  | 18,000 ANSI Lumens   |   |
| Native Resolution           | WUXGA (1920 x 1200)  |   |
| Maximum Resolution          | WUXGA (1920 x 1200)@60Hz (Reduced Blinking)  |   |
| Contrast Ratio              | 1,250:1 or 10,000:1 (with DB On)   |   |
| Laser Life/Type             | Up to 20,000 hours (Laser Phosphor Light Engine)   |   |
| Throw Ratio*                | 1.5 - 2.0:1  |   |
| Image Size (Diagonal)*      | 40" - 500"   |   |
| Projection Distance*        | 1.24 - 21.8m (4.06ft to 71.5ft)  |   |
| Projection Lens*            | F = 2.17 – 2.65  |   |
| Zoom Ratio*                 | 1.33x  |   |
| Aspect Ratio                | 16:10  |   |
| Offset                      | Motorized Lens Shift   |   |
| Keystone Correction         | Horizontal ±60°, Vertical ±40° (Adjustable Range of Single Direction)  |   |
| 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))   |   |
| Adjustable Lens Shift Range | Vertical: ±50%, Horizontal: ±15%   |   |
| Computer Compatibility      | VGA, SVGA, XGA, WUXGA, SXGA, SXGA+, UXGA, 1080P, WUXGA@60hz  |   |
| Video Compatibility         | SDTV (480i, 576i), EDTV (480p, 576p), HDTV (720p, 1080i/p)   |   |
| I/O Connection Ports        | HDMI v1.4a (x2), DisplayPort, DVI-D, Component (5 BNC), VGA-In, 3G-SDI-In/Out, RS-232, VGA-Out, 3D-Sync In/Out, 12v Trigger(x2), Wired Remote, HDBaseT™/LAN (Shared)   |   |
| Projection Method           | Table Top, Ceiling Mount (Front or Rear), Free-Tilt, Portrait  |   |
| Dimensions (WxDxH)          | 681 x 530 x 248mm (26.8" x 20.8" x 9.7")   |   |
| Weight                      | 48kg (105.8lbs)  |   |
| Available Colors            | Black  |   |
| Noise Level                 | 43dB (Normal Mode)   |   |
| Power Supply                | AC 100-240V, 50/60Hz   |   |
| Power Consumption           | Normal Mode  | 1200W @110Vac, 1800W @240Vac  |
|                             | Standby Power On   | Less than 6W  |
|                             | Standby Power Off (Eco)  | Less than 0.5W  |
| Environmental Conditions    | Operating  | At Temperature 0oC to 40oC, Relative Humidity 10% to 85%, Non-Condensation  |
|                             | Storage  | At Temperature -10oC to 60oC, Relative Humidity 5% to 95%, Non-Condensation |
| Standard Accessories        | AC Power Cord, Remote Control w/Batteries, HDMI Cable, Remote Control Cable, Lens Cap, Anti-Theft Lens Screw, Documentation Kit  |   |
| Optional Accessories        | Ultra-Wide Angle Lens T/R 0.84 - 1.03:1 (D98-0810), Standard Lens T/R 1.5 - 2.0:1 (D98-1520), Short Throw Lens T/R 1.2 - 1.56:1 (D98-1215), Long Throw Lens T/R 2.0 - 4.0:1 (D98-2040), Ultra-Long Throw Lens T/R 4.0 - 7.0:1 (D98-4070) |   |

\*Note: Standard Lens

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## Photos

