vivitek

DU9900Z

Super Brightness
Laser Projector with
Built-In Edge-Blending

Overview

The heavy-duty DU9900Z single chip laser projector with advanced DMD™ chip support delivers super brightness with 22,000 lumens and a 3,000,000:1 dynamic contrast ratio for clear, crisp, and bright projection. This projector comes with edge-blending and warping technology, motorized lens shift/focus/zoom, and lens position memory for easy installation. Designed for ProAV rental, staging, and large venues, the DU9900Z includes 360-degree and portrait projection, 24/7 operation capability, and optional lenses.

DLP TEXAS INSTRUMENTS · HDMI HIGH DEFINITION MULTIMEDIA INTERFACE · HDBT · RoHS COMPLIANT · Vivid Color · LASER · 3D

Key Features

Support Advanced DMD Chip

The DU9900Z is a DLP laser projector equipped with advanced DMD™ single-chip technology and delivers incredible brightness of 22,000 lumens for clear, crisp and bright projection.

Regular DMD

Advanced DMD

Building-in Edge Blending

The DU9900Z features edge-blending capability. Multiple projectors simultaneously project a combined image for a stunning display and seamless image on large displays.
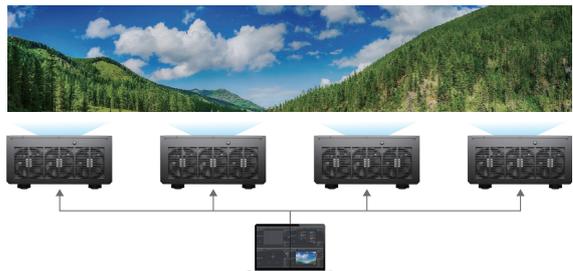
Zoom, Focus, Lens Shift, and Memory

The DU9900Z comes with powered zoom, focus, and lens shift (horizontal/vertical) for easy adjustment and positioning flexibility. Lens Positioning Memory also offers quick recall of user-defined lens positions (focus, zoom, and lens shift) for easy setup to ensure perfectly proportioned images.

Shift

Shift — Shift

Shift

Wired Remote Control

Wireless Projector Control
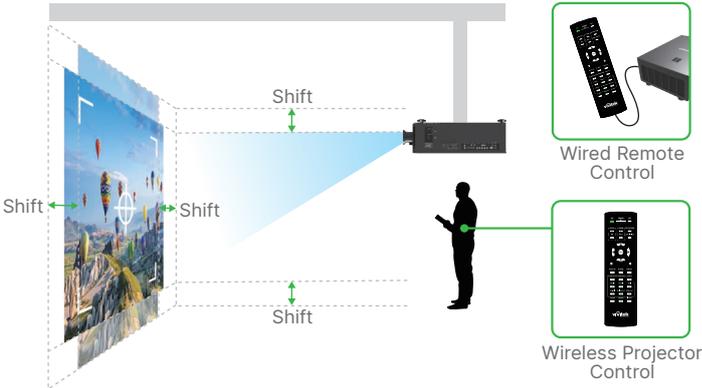
Supports 3G-SDI & HDBaseT™ Connectivity

The DU9900Z has built-in 3G-SDI and HDBaseT™ interfaces for long-distance signal transmission of high-quality audiovisual content. HDBaseT™ reduces cabling requirements and installation, saving time and costs.

HDBT™   3G-SDI

HDBaseT/LAN   IN—SDI—OUT

RX Built-in

Camera

RTX (Transmitter)

Laptop

DVD player

3G-SDI

Cat5e/6

Computer
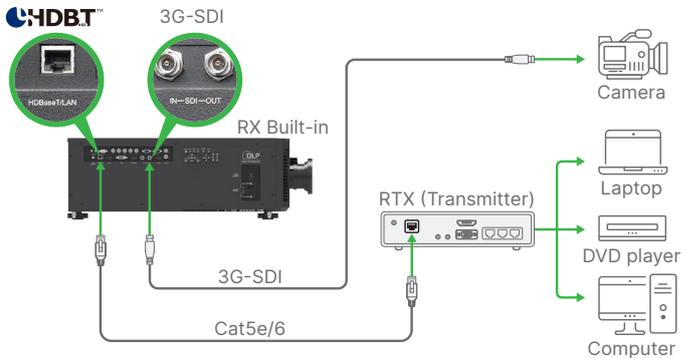
Liquid Cooling System

Vivitek's DU9900Z features a novel cooling system based on three components: Liquid, Air and Thermoelectric (TEC) cooling to reduce and dissipate heat from critical components to ensure stable operation and longevity.

PJ Control Tool

Vivitek's PJ Control software is a tool for controlling Vivitek projectors. It can be used to manage multiple projectors, helping users control viewing options, settings, and scheduling, and it also allows for the adjustment of display features over a network.

IP6X Sealed Optical Engine Certified Design

The DU9900Z series complies with high standards for protection against dust, ensuring consistent brightness over time.

Picture-in Picture / Picture-by-Picture

The DU9900Z features Picture-in-Picture and Picture-by-Picture modes. Signals can be delivered from two different digital input sources at the same time.

Specifications

Model	DU9900Z
Display Type	DLP Single Chip 0.96"
Brightness*	22,000 Lumens
Native Resolution	WUXGA (1920 x 1200)
Dynamic Contrast Ratio	3,000,000:1
Light Source	Laser Phosphor
Light Source Life (Normal / Eco)	20,000 / 30,000 hrs
Aspect Ratio	16:10
Throw Ratio	Std Lens: 1.5 ~ 2.0:1
Zoom Ratio	1.33:1
Keystone Correction	Vertical ±40°, Horizontal ±60°
Projection Offset	N/A
Projection Size (Diagonal)	40" ~ 500"
Speaker	N/A
Horizontal Frequency	15, 31 ~ 91.4 kHz
Vertical Frequency	24~30 Hz, 47~120 Hz
3D Compatibility	Yes
I/O Ports	HDMI x2 DVI-D x1 DisplayPort x1 VGA-In (15pin D-Sub) x1 Component (5 BNC) (RGBHV) x1 3G-SDI In& Out x1 VGA-Out (15pin D-Sub) x1 RJ45 (LAN / HDBaseT) x1 RS-232-in x1 3D Sync-in(BNC) & out(BNC) x1 12v Trigger(3.5mm Jack) x2 Remote Jack(wire remote) in x1
Security Solutions	Kensington® Security Slot, Security Bar
Projection Method	Table Top, Ceiling Mount (Front or Rear)
Dimensions (WxDxH)	743 x 530 x 248 mm (29.2" x 20.8" x 9.7")
Weight	49 kg (108 lbs)
Power Supply	AC 100~240 V, 50/60 Hz, In 110 V operation, the projector will be at 65% brightness
Power Consumption	1150W@110Vac, 1950W@220Vac (Normal Mode), <0.5 W (Standby Mode), <6 W (LAN Standby Mode)
Standard Accessories	AC Power Cord, HDMI Cable, Remote Control, Documentation Kit
Optional Lens Support (Throw Ratio)	0.9~1.2 / 1.2 ~1.56 / 1.5 ~2.0 / 2.0 ~4.0 / 4.0 ~7.0 :1

* 1. Using Standard Lens
   2. Brightness specifications are in compliance with ISO 21118 standards

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