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DU 8090 Z
DU 8190 Z
DU 8195 Z

WUXGA Large Venues Projector
with Built-In Edge-Blending

Overview

The DU8×9xZ series is the first laser large venue projector. With a laser phosphor engine lamp-free design, it provides a low cost of ownership with minimal maintenance and gives a stable, high-quality projection for up to 20,000 hours.

This series projector comes with edge-blending and warping technology, motorized lens shift / focus / zoom, and lens position memory for easy installation, making it an ideal solution for large venues.

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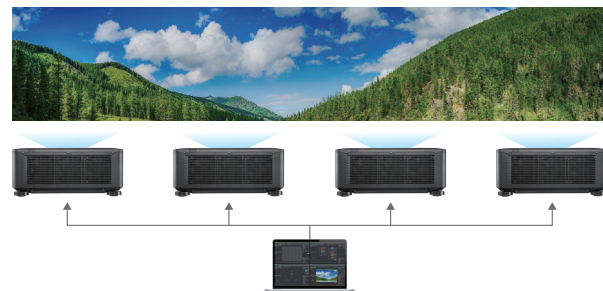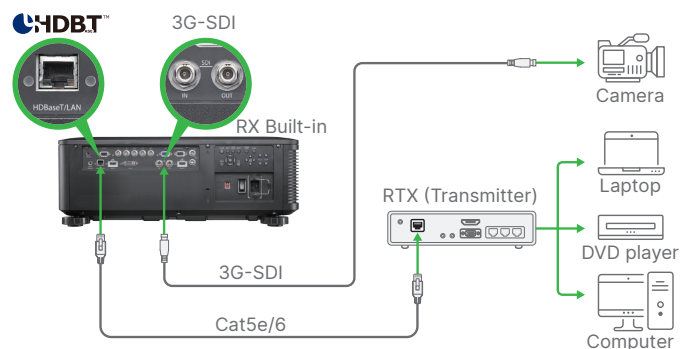
Key Features

Building-in Edge Blending

The DU8×9xZ series features edge-blending capability. Multiple projectors simultaneously project a combined image for a stunning display and seamless image on large displays.

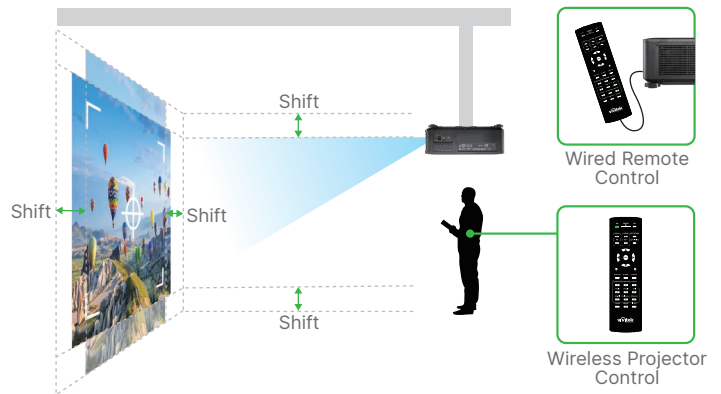### Supports 3G-SDI & HDBaseT™ Connectivity

3G-SDI
HDBaseT

The DU8×9xZ series 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.
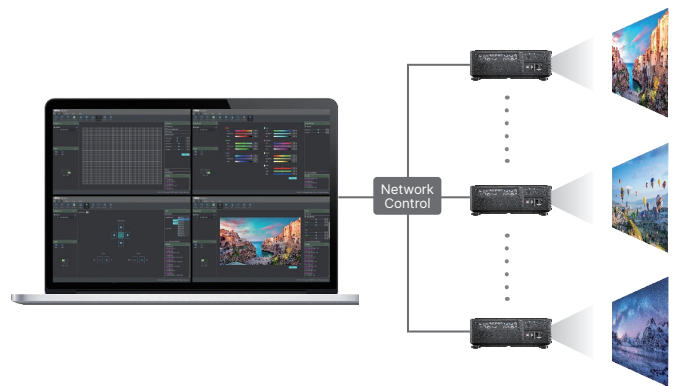
HDBT™

3G-SDI

HDBaseT/LAN

RX Built-in

RTX (Transmitter)

3G-SDI

Cat5e/6

Camera

Laptop

DVD player

Computer

Lens Position Memory

The DU8×9xZ series comes with powered lens shift (horizontal / vertical) for easy adjustment and positioning flexibility. Lens Positioning Memory also offers quick recall of user-defined lens positions (lens shift) for easy setup to ensure perfectly proportioned images.
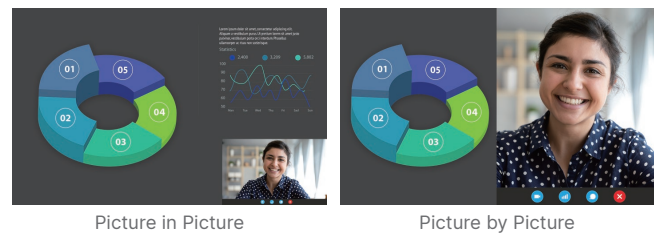

Shift

Shift Shift

Shift

Wired Remote Control

Wireless Projector Control

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.

Network Control

Picture-in Picture / Picture-by-Picture

The DU8×9xZ series features Picture-in-Picture and Picture-by-Picture. Signals can be delivered from two different digital input sources at the same time.

Picture in Picture

Picture by Picture

Liquid Cooling System

Vivitek's DU8×9xZ series 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.

High Standard Anti-Dust Protection

The optical system, from the laser light source to lens is completely sealed and rated IP6X for protection again dust ingress, ensuring consistent brightness over time with reliable performance and much reduced need for maintenance.

Specifications

Model	DU8090Z	DU8190Z	DU8195Z
Display Type	DLP Single Chip 0.67"		
Brightness*	8,000 Lumens	10,000 Lumens	13,500 Lumens
Native Resolution	WUXGA (1920 x 1200)		
Dynamic Contrast Ratio	100,000:1 (Full On / Full Off)		
Light Source	Laser		
Light Source Life (Normal / Eco)	20,000 hrs		
Aspect Ratio	16:10		
Throw Ratio	Std Lens: 1.73 ~ 2.27:1		
Zoom Ratio	1.3:1		
Keystone Correction	Vertical ±40°, Horizontal ±60°		
Lens Shift Range	Vertical: -33% to +64%, Horizontal: -14% to 24 %		
Projection Size (Diagonal)	40" ~ 500"		
Speaker	N/A		
Horizontal Frequency	15, 30 ~ 90 kHz		
Vertical Frequency	50 ~ 85 kHz		
3D Compatibility	Yes		
I/O Ports	HDMI x2 DVI-D 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) x1 Remote Jack(wire remote) in x1		
Security Solutions	Kensington® Security Slot, Security Bar		
Projection Method	Table Top, Ceiling Mount (Front or Rear)		
Dimensions (WxDxH)	500 x 205 x 580 mm (19.7" x 8.1" x 22.8")		
Weight	28 kg (61.7 lbs)	29 kg (63.9 lbs)	29 kg (63.9 lbs)
Power Supply	AC 100-240V, 50/60Hz.		
Power Consumption	1065W@100Vac, 1505W@240Vac (Normal Mode), <0.5 W (Standby Mode), <6 W (LAN Standby Mode)	1320W@100Vac, 1245W@240Vac (Normal Mode), <0.5 W (Standby Mode), <6 W (LAN Standby Mode)	1035W@100Vac, 1475W@240Vac (Normal Mode), <0.5 W (Standby Mode), <6 W (LAN Standby Mode) In 110V operation, the projector will be at 65% brightness
Standard Accessories	AC Power Cord, Remote Control, Documentation Kit		
Optional Lens Support (Throw Ratio)	0.38 / 0.76 / 0.75~0.93 / 1.25~1.79 / 1.73~2.27 / 2.22~3.67 / 3.58~5.38 / 5.32~8.26 : 1		

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

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