Barco R9023275 F35 WQXGA 7650 lumens High Brightness (MKIII) X-PORT Projector/No lens

The F35 WQXGA Multimedia Projector with lens available separately from Barco is a professional installation projector adaptable to a range of applications requiring 24/7 operation. Suitable fields include scientific and seismic visualization, medical imaging, high resolution display of financial data, video conferencing, collaboration suites, simulation and visitor attractions across different industries such as oil and gas, automotive, healthcare, defense and aerospace, and media and entertainment.

The projector features a brightness of up to 7650 lumens (depending on settings), and has a native resolution of 2560 x 1600. This is a 16:10 format. In addition to its native aspect ratio and resolution, through internal scaling, the F35 can accommodate a wide range of formats, from 480p SD all the way up to 2560 x 1600.

The F35 features connectivity to accommodate a variety of sources. There is one HDMI and two DVI inputs for HDTV and digital computer sources. Two VGA ports for analog computer sources or for integration with existing A/V installations. There is a component and an S-video input, which between them cover most legacy analog video sources, whether SD or HD. I/O connectivity can be expanded further using separately available X-PORT modules.

For remote operation, there is an Ethernet port that enables control across a local network, and there is an RS-232 port for integration with automation systems such as Crestron. Two USB ports enable direct operation from a computer. There are two 3.5mm 12V LVC trigger ports so that the projector can actuate another appliance in an A/V integration, such as a motorized projection screen. Finally, there is a 3.5mm wired remote jack, allowing you to use an external IR receiver for installations where direct line-of-sight communication with the projector's built-in IR receiver isn't possible.

Interchangeable Lens Design (Lens Not Included)

Featuring an interchangeable lens design, the F35 is compatible with a range of separately available lenses, including short throw, zoom, and long throw options. Compatible lenses include:

- Standard Zoom (EN11)
- Ultra Wide Angle Fixed (EN12)
- Wide Angle Zoom (EN13)
- Long Throw Zoom (EN14)
- Wide Angle Fixed (EN15)
- Extra Long Throw Zoom (EN16)
- High Resolution Standard Zoom (EN41)
- High Resolution Wide Angle Fixed (EN42)
- High Resolution Wide Angle Zoom (EN43)
- High Resolution Long Throw Zoom (EN44)
- High Resolution, Long Focus Ultra Wide Angle Zoom (EN45)
- High Resolution, Short Focus Ultra Wide Angle Zoom (EN46).
- High Resolution Super Wide Fixed (EN47)
- High Resolution IR Optimized, Wide Angle Zoom (NV43)

DLP Imaging System

The F35 features a DLP imaging device with a High Brightness (MKIII) color wheel, which offers better contrast and color reproduction than many comparable LCD-based systems. In addition, DLP technology is unaffected by UV light yielding more consistent performance over its lifetime than many alternative technologies. Its performance is further enhanced by 10-bit per channel image processing for smoother color gradations that 8-bit systems

The Right Color Wheel for Your Configuration

The projector is available with a range of color wheel options, including High Brightness, Graphics, or VizSim, each with specific characteristics. As the VizSim color wheel focuses on color quality, it lowers color cross-talk and contamination, and reduces artifact. The Graphics version offers a lower saturation, but higher brightness for general AV use, and the High Brightness option provides high-brightness while retaining accurate color reproduction. This particular projector features the High Brightness (MKIII) color wheel

RealColor Color Management

RealColor is a color management calibration suite that enables edge blending for an unlimited number of projectors, designed to ensure uniform images for multichannel installations. It provides a quick way to calibrate and set up perfect images, allowing you to adjust them simply by changing characteristics such as color temperature. RealColor works by mathematically calculating each color independently.

VIDI Lamp Technology

Philips' VIDI technology enables dynamic lamp driving over time, and enhances image quality through reducing grey scale artifacts, boosting color saturation, increasing contrast, and improving lamp stability. Unlike typical non-VIDI based projectors, the lamp power is digitally controlled, as is its performance over time

X-PORT Expandability

In addition to the built-in I/O ports, custom I/O configurations, including 3G-SDI in and out, can be achieved by installing separately available modular expansion boards.

Hot-Swap Lamps

In addition to the continuous operation mode, lamps can be replaced while the projector is operating. Should one lamp need replacement or fail during a presentation, the projector will continue running at lower brightness using the second lamp.

Smear Reduction Processing (SRP)

Features flicker-free Smear Reduction Processing (SRP) so that no external filters or shutters are needed. All processing is not only done internally, it's also fully adjustable and configurable. Combined with high frame rates up to 120 Hz, this helps ensure a smear-free image at any resolution and with fast-moving content.