

## **Barco R9023070 F32 Sxplus 3100 lumens VizSim Projector/No lens**

The black F32 SXGA+ Multimedia Projector with lens available separately from Barco is a professional installation projector adaptable to a range of small and medium venue applications - especially where high image quality is demanded even under less than ideal conditions. The projector features a brightness of up to 3100 lumens (depending on settings), and has a native resolution of SXGA+ (1400 x 1050). This is a 4:3 format. In addition to its native aspect ratio and resolution, through internal scaling the F32 can accommodate a wide range of formats, from 480p SD all the way up to SXGA+ (1400 x 1050).

The F32 features connectivity to accommodate a variety of sources. There are HDMI and DVI inputs for HDTV and digital computer sources. There is a VGA port for analog computer sources or for integration with existing A/V installations. For analog video, there are composite, component, and S-video inputs, that between them cover most sources, whether SD or HD. Finally, there is a 5-BNC port that can be used with an RGBHV or YUV component signal, and can also accept a VGA signal using a separately available BNC to VGA adapter.

For remote operation, there is an Ethernet port that enables control across a local network, and there is an RS-232 port with loop-through for integration with automation systems such as Crestron. A USB port enables direct operation from a computer. Finally, there are two 3.5mm 12V LVC trigger ports so that the projector can actuate another appliance in an A/V installation, such as a motorized projection screen.

### **Interchangeable Lens Design (Lens Not Included)**

Featuring an interchangeable lens design, the F32 is compatible with a range of separately available lenses, including short throw, zoom, and long throw options

### **DLP Imaging System**

The F32 features a DLP imaging device with a VizSim 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 than 8-bit systems

### **The Right Color Wheel for Your Configuration**

The F32 is available with a range of color wheel options, including High Brightness, High Brightness MKIII, or VizSim, each with specific characteristics. As the VizSim color wheel focuses on color quality, it lowers color cross-talk and contamination, and reduces artifacts. The High Brightness option provides high brightness while retaining accurate color reproduction. This particular projector features the VizSim 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 multi-channel 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

### **Intelligent Active Cooling**

The F32 features intelligent active cooling of the entire system for reduced noise and extended reliability and lifetime. Using the thermo-electric cooling principle, power is applied to actively cool key elements throughout the projector

### **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

### **Stereo 3D Support**

The F32 features INFITEC EX 3D support, a stereoscopic 3D technology based on interference filters that sees use in cinema projection and other professional visualization applications