

# CEILINGVIEW™ MEGA-PRO VISUALIZER

## CEILING-MOUNTED 3 CCD MEGA-PIXEL VISUALIZER SYSTEM



The Vaddio CeilingVIEW Mega-Pro Visualizer Camera System is designed to provide system integrators with an easy to install in-ceiling mega pixel visualizer system. The system features the new Sony® 3 CCD Mega-Pixel High Resolution Camera with technology utilizing three advanced HADD CCD imaging sensors capable of providing SXGA resolution images with outstanding color imaging. A 12X optical auto-focus zoom lens that allows for a zoom capability of up to 48X zoom when used in combination with its 4X digital zoom. Additional features include the ability to change aspect ratio from 4:3 to 16:9 for different display aspect ratios, optional analog RGB distribution over Cat. 5, and high resolution capture mode where the camera can capture an image in a high SXGA resolution mode. Also included is our laser light document positioning system that tells you where to position your document. The system is equipped with Vaddio's EZCamera™ Cabling System which allows the installer to use Cat. 5 cabling to run power, video and camera control and Vaddio's PowerRite™ Power Supply. The PowerRite system regulates the right amount of power needed for the camera over Cat. 5 cabling. The camera is enclosed in a recessed metal plenum rated ceiling backbox enclosure with ceiling tile support and a decorative ring.

## WHAT'S INCLUDED

The Vaddio CeilingVIEW Mega-Pro Visualizer includes the following items:

- Sony's 3 CCD Mega-Pixel High Resolution Camera
- Multi-function IR remote control
- Concealed ceiling camera enclosure with trim ring
- Laser light locator
- EZCamera Backbox Interface
- EZCamera Quick-Connect Box
- EZCamera Control Adapter (RJ-45 to DB9)
- Two 50 foot Cat. 5 cables with RJ-45 jacks
- Vaddio's PowerRite™ Power Supply
- 15 foot S-Video cable
- 15 foot composite video cable
- All screws and mounting hardware

## TECHNICAL FEATURES

### Sony 3 CCD Mega-Pixel Camera

A three CCD mega-pixel camera module that is designed for color high resolution SXGA imag-

ing applications. This module is equipped with a 12X optical and 4X digital zoom. Other features include, switchable 16:9 or 4:3 aspect ratio, analog RGB, Y/C and composite video outputs, and VISCA protocol through RS-232.

### Native 16:9 Imaging Technology

The CeilingVIEW Mega-Pro Visualizer is designed to provide native resolution 16:9 images. This allows the camera to have a wider viewing angle and a higher resolution image when compared to conventional cameras. The Sony CCD imaging sensor technology is designed with a higher pixel count and wider surface area for true 16:9 images and not 4:3 images that are cropped on the top and bottom to achieve a 16:9 aspect ratio.

### Laser Light Locator

Unique laser light shows user where to position a document by putting a red laser dot in the center of the image. Laser light can be controlled to work in momentary or ON mode.

## TECHNICAL FEATURES CONTINUED

### Ceiling Backbox Enclosure

The CeilingVIEW Mega-Pro Visualizer has a metal backbox enclosure that is designed to fit flush into the ceiling. The enclosure is supported in the ceiling by two different options. In a suspended ceiling the two 24 inch support braces are secured to the camera enclosure and the ceiling grid then supports the support braces. In a sheetrock ceiling the camera enclosure is supported by the sheetrock and the tile supports are not used. In both cases the trim ring is used to cover the camera opening.

### EZCamera Cabling System

Allows installer to use Cat. 5 cable to run power, analog RGB, video and camera control. Video Balun technology is used to extend the range of the video signal and to allow it to work on Cat. 5 cable. The Vaddio PowerRite Camera Power System includes a high output power supply and a power regulator to maintain the right voltage over Cat. 5 cable.

### EZCamera Backbox Cable Interface

A camera backbox interface that integrates the CeilingVIEW Mega-Pro Visualizer to the EZCamera Cable System. The interface converts camera outputs to two RJ-45 jacks. The first jack provides power, Y/C and composite video. The second jack provides RS-232 camera control signaling. The camera also features a 15-pin VGA connector. The VGA connector has an optional Cat. 5 EZCamera VGA Cable Adapter Kit that allows the VGA signal to run over Cat. 5 cabling instead of using a VGA cable.

### EZCamera Quick-Connect Box

This small interface box converts power, S-Video and composite video into a single Cat. 5 cable. Velcro® mounting square provided.

### EZCamera Control Adapter

This small plug-in adapter converts a male RJ-45 into a female DB9 connector.

### RS-232 VISCA Camera Control

The system is controlled by using VISCA camera control. This allows you the ability to use the camera system with control systems and video codecs that support the VISCA command protocol. Ceiling VIEW Mega-Pro Visualizer can also be supported by any VISCA compatible video codec as a near/far end camera.

### IR Remote Control

Hand-held remote control allows user to control: zoom, six zoom presets, laser pointer, brightness, white balance, black and white, positive/negative, mirror, and auto or manual focus.

## TECHNICAL SPECIFICATIONS

Image Device	Three 1/4.7 Type IT Advanced HAD CCD (x3), 1,070,000 Pixels (gross)
CCD Effective Pixels	4:3 Mode: 960 (H) x 720 (V) 16:9 Mode: 1,152 (H) x 648 (V)
Effective Pixels	768 (H) x 494 (V)
Signal System	NTSC/PAL
Horizontal Resolution	600 TV Lines (4:3 mode) (NTSC)
Synchronization	Internal
Focal Length	f=3.6 to 43.2mm (F1.6 to F2.8)
Angle of View (H)	4:3 Mode: 3.3° (tele end) to 37.8° (wide end) 16:9 Mode: 4.0° (tele end) to 45.4° (wide end)
Minimum Object Distance	800mm (tele end); 10mm (wide end)
Lens	12X Optical Zoom; f=3.6mm (wide) to 43.2mm (tele)
Digital Zoom	4X (48X with optical zoom)
Min Illumination	215.0lx @ F1.6
S/N Ratio	More than 50dB
Shutter Speed	1/10,000 to 1/4 sec.
Gain	Auto/Manual (-3 to 18dB, 3dB steps) Switchable
White Balance	Auto; Indoor; Outdoor; One-Push WB; Manual
Position Preset	Six Positions
Analog Output	RGB (15-pin VGA) VBS (BNC); Y/C (4-pin Mini DIN)
Camera Control	RS-232C (VISCA); RS-422 (VISCA)
Back Light Compensation	On/Off
Operation Temperature	0° to 40°C (32°F to 104°F)
Storage Temperature	-20° to 60° C (-4°F to 104°F)
Power Requirement	12 VDC
Power Consumption	6.3W
Dimensions	Depth 8 3/4"/222mm Width 8 3/4"/222mm Height 6 7/16"/152mm
Weight	4lbs6oz/2.99kg

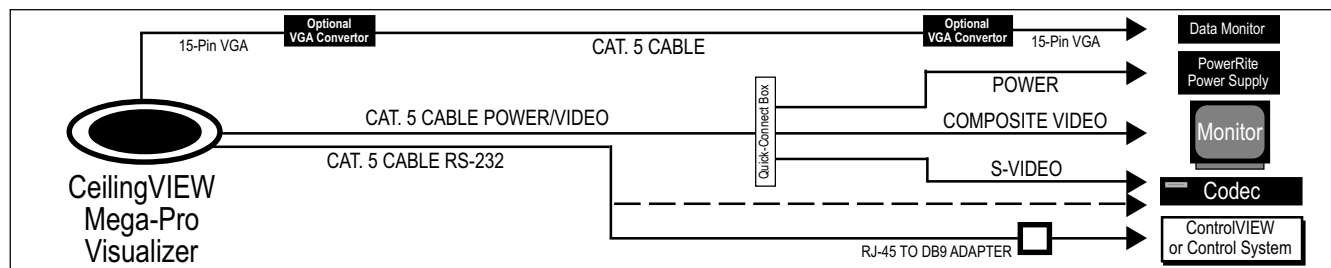


Figure 1 – CeilingVIEW Mega-Pro with EZCamera Cable System.

**vaddio**

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