Vaddio

CeilingVIEW™ 70 PTZ
Ceiling-Mounted Pan/Tilt/Zoom Camera System

The Vaddio™ CeilingVIEW 70 PTZ is a complete, half-recessed, ceiling-mounted pan/tilt/zoom camera system. The system features a Sony EVI-D70C/W camera mounted into a recessed, metal ceiling camera enclosure backbox with ceiling tile support braces and the Vaddio EZCamera™ Cabling System.   The EZCamera Cabling System allows the installer to use Cat. 5 cabling to run power, video and camera control. Also included is the Vaddio PowerRite™ power supply that regulates the right amount of power needed for the camera over Cat. 5 cabling.   The CeilingVIEW 70 can be controlled with the IR Remote Commander or with RS-232.

Figure 1:
CeilingVIEW 70 PTZ

What's Included
The Vaddio CeilingVIEW 70 PTZ includes:

- Sony EVI-D70C/W PTZ Camera
- Vaddio IR Remote Commander
- Concealed in-ceiling enclosure with trim ring
- One (1) EZCamera Camera Interface
- One (1) EZCamera Quick-Connect Box
- One (1) EZCamera Control Adapter
- One (1) PowerRite™ Power Supply
- One (1) AC Power Adapter Cable
- One (1) 12' (3.66m) S-Video cable
- All screws and mounting hardware

Technical Features

Sony EVI-D70C/W PTZ Camera
A ceiling-mountable PTZ camera equipped with an 18X optical and 12X digital zoom lens with wide pan and tilt range, VISCA camera control, six internal preset positions.

EZCamera Cabling System
Allows the installer to use Cat. 5 cable to run power, 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.

HideAway Camera Enclosure
The CeilingVIEW 70 PTZ Camera Enclosure is designed to fit flush into the ceiling.   The enclosure is supported in the ceiling by two different mounting methods.
- In a suspended ceiling the two 24-inch support braces are secured to the camera enclosure and the ceiling grid.
- In sheetrock ceilings, the camera enclosure is supported by the sheetrock and tile supports are not typically used.
- In both installations the trim ring is used to cover the camera opening.
- An optional Recessed Ceiling Installation Kit is available for installation into existing drywall ceilings or where access to the ceiling is restricted from above the ceiling.

EZCamera Interface
The EZCamera interface integrates the Sony EVI-D70 Camera to the EZCamera Cable System. The interface converts camera I/O to three RJ-45 jacks. The first jack provides for power and video. The second jack provides primary camera control signaling and the third provides daisy-chain camera control to additional Sony PTZ Cameras.

EZCamera Quick-Connect Box
This small interface box converts power, S-Video and composite video into a single Cat. 5 cable.

TECHNICAL SPECIFICATIONS

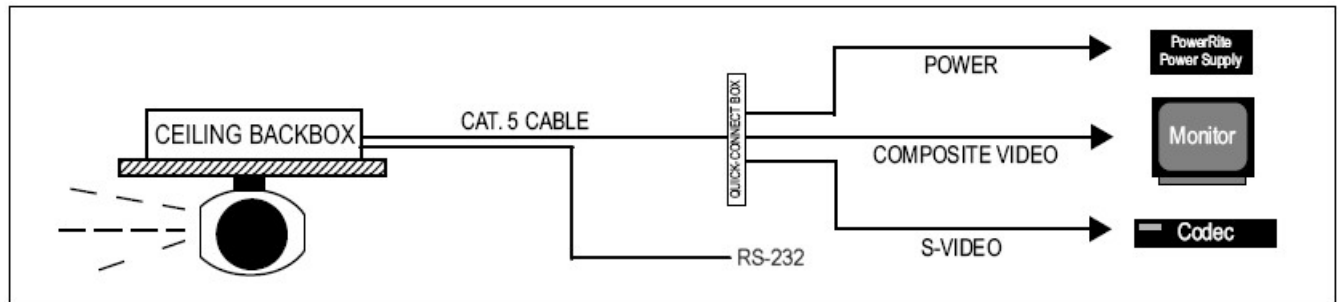| Specification	CeilingVIEW 70 PTZ
Part Number (Signal System)	999-2304-000 (NTSC), 999-2304-001 (PAL)
Image sensor	1/4-type EXview HAD CCD
Effective Pixels	768 x 494 (H x V – NTSC), 752 x 582 (H x V - PAL)
Horizontal Resolution	470 TV lines (NTSC), 460 TV lines (PAL)
Lens	18X Optical Zoom, f=4.1 mm (wide) to 73.8 mm (tele), F1.4 to F3.0
Total Zoom	18X Optical x 12X Digital = 216X Total Zoom
Horizontal angle of view	2.7º (tele end) to 48º (wide end)
Minimum illumination	1 Lux (F1.4)
Auto exposure	Auto/Manual/Priority AE, Exposure compensation, Back-light compensation
Shutter speed	1 to 1/10,000 s
Gain	Auto/Manual (-3 to +28 dB, 2 dB steps)
White balance	Auto/ATW/Indoor/Outdoor/One push/Manual
S/N ratio	More than 50 dB
Pan/tilt	Pan: ±170º (Max. speed: 100º/s), Tilt: -30º to +90º (Max. speed: 90º/s)
Position preset	6 positions
Picture effect	Neg. Art, Black & White
Video outputs	Composite Video and S-Video (concurrent on Quick-Connect Box or Quick-Connect 4)
Codec Compatibility	In EVI-D30 mode only (within the x/y/z coordinates of the EVI-D30).
Power Supply	15 VDC, 3.33A (PowerRite Power Supply Spec), 100V– 240V Switcher For Cat. 5 Power/Video cables over 75' (22.86m), use the PowerRite 18VDC, 2.78A power supply
Operating Temperature	32 to104˚ F (0 to 40˚ C)
Storage Temperature	-4 to +140˚ F (-20 to +60˚ C)
Dimensions	Backbox =2.625" (6.67cm) Tall x 8.75" (22.23cm) W x 8.75" (22.23cm) D
Weight	7 lbs / 3.22 kg

Figure 2 – EZCamera cable system with Quick-Connect Box