

CEILINGVIEW™ 70 PTZ HIDEAWAY

INSTALLED PTZ CEILING CAMERA WITH MOTORIZED CAMERA LIFT SYSTEM



Figure 1:
CeilingVIEW 70 PTZ HideAway
Extended (above) and retracted (left)

The Vaddio™ CeilingVIEW 70 PTZ HideAway Camera System was designed to provide system integrators with an easy to install in-ceiling motorized camera lift system.

The system features a Sony EVI-D70C/W camera mounted into a recessed, metal ceiling camera enclosure with ceiling tile support and the Vaddio EZCamera™ Cabling System, which allows the installer to use Cat. 5 cabling to run power, video and camera control. The camera lift has a motorized extension arm, that when retracted, conceals the camera. When the camera is activated the extension arm lowers down and reveals the camera. Contact closure or voltage sensing can be used to open the system remotely when power is available. The CeilingVIEW 70 PTZ HideAway lift mechanism can be controlled with the IR Remote Commander or with RS-232 control.

WHAT'S INCLUDED

The Vaddio CeilingVIEW 70 PTZ HideAway includes the following items:

- Sony EVI-D70C/W PTZ Camera
- Vaddio IR Remote Commander
- Concealed ceiling camera enclosure with trim ring
- Motorized camera lift system
- One (1) EZCamera Camera Interface
- One (1) EZCamera Quick-Connect Box
- One (1) EZCamera Control Adapter
- One (1) PowerRite™ Power Supply
- One (1) 12' (3.66m) S-Video cable
- One (1) 12' (3.66m) composite 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 HideAway 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 HideAway
Part Number (Signal System)	999-2404-000 (NTSC), 999-2404-001 (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	2.7° (tele end) to 48° (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: ±170° (Max. speed: 100°/s), Tilt: -30° to +90° (Max. speed: 90°/s)
Position preset	6 positions
Picture effect	Neg. Art, Black & White
Video outputs	Composite Video and S-Video (concurrent)
Power requirement	10.8 VDC to 13.2 VDC (camera only)
Power consumption	Idle: 12w Engaged: 23W
Lift Mechanism Control	On/Off button on IR Remote, RS-232, Closure pair for camera down only if the camera is powered (closure pair will not raise the camera) Note: Most codecs do not generate the camera On/Off command and cannot control the lift.
Codec Compatibility	In EVI-D30 mode only (within the x/y/z coordinates of the EVI-D30).
Power Supply	18 VDC, 2.78A (PowerRite Power Supply Spec), 100V– 240V Switcher
Operating Temperature	32 to 104° F (0 to 40° C)
Storage Temperature	-4 to +140° F (-20 to +60° C)
Dimensions	8.84" (22.45cm) H x 8.75" (22.23cm) W x 8.65" (21.97cm) D
Weight	8.4 lbs / 3.81 kg

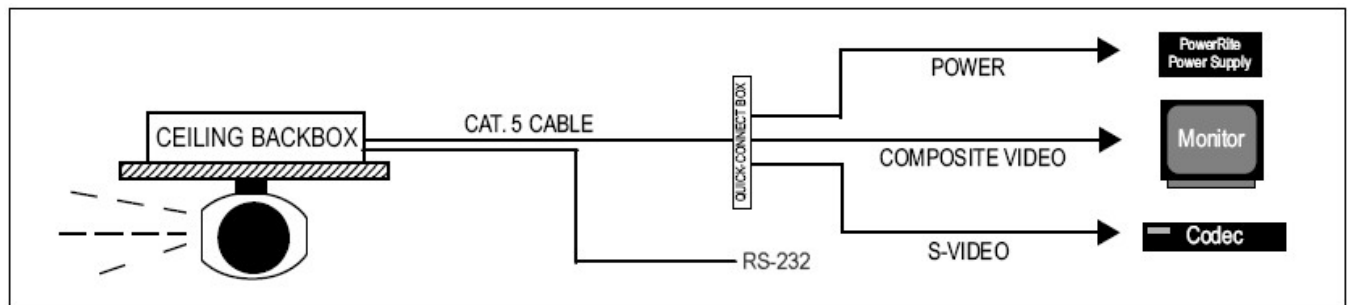


Figure 2 – EZCamera cable system with Quick-Connect Box

