WallVIEW™ 50i PTZ
Pan/Tilt/Zoom Camera System

The Vaddio WallVIEW 50i PTZ Camera System is designed to provide system integrators with an easy to install wall-mounted camera system. The system features a Canon® VC-C50i PTZ Camera mounted on Vaddio's thin profile wall-mount bracket. 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. Also included is Vaddio's PowerRite™ Power Supply. The PowerRite system regulates the right amount of power needed for the camera over Cat. 5 cabling. An optional VISCA control interface can be added to allow the camera to work with any VISCA compatible control device.

What's Included

The Vaddio WallVIEW 50i PTZ includes the following items:

• Canon VC-C50i PTZ Camera
• Canon Multi-Function Remote Control
• Thin profile camera wall-mount bracket
• EZCamera Camera Shoe Interface
• EZCamera Quick-Connect Box
• EZCamera Control Adapter
• 18 VDC PowerRite Power Supply
• One 12' S-Video cable
• One 12' Composite video cable
• All screws and mounting hardware

Technical Features

Canon VC-C50i PTZ Camera
A wall-mountable PTZ camera equipped with a 26X optical and 12X digital zoom lens. The VC-C50i delivers high quality video from far distances and under the dimmest lighting conditions. Building on Canon's long-standing tradition as the leader in optics and image processing, it offers greater flexiblity in the most demanding environments. Camera features include: Nine camera presets, auto-focus, auto-iris, and one lux minimum illumination. The motorized pan has a range of 100 degrees each way and the tilt has a range of 90 degrees up and 30 degrees down.

Thin Profile Wall-Mount Bracket
Custom PTZ camera wall-mount bracket designed exclusively for the Canon VC-C50i camera. Heavy duty metal construction with cable access openings for in-wall or exposed wall installations. Bracket can be mounted on a dual gang box for new construction pre-wiring. Includes tripod screw and mounting hardware.

EZCamera Cabling System
Allows 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.

EZCamera Shoe Interface
A plug-in shoe that intergrates the Canon VC-C50i PTZ Camera to the EZCamera Cable System. The shoe interface converts camera outputs to three RJ-45 jacks. The first jack provides power and video. The second jack provides primary camera control signaling and the third provides daisy-chain camera control to additional Canon 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

Optics

Lens Configuration	Nine(9) Groups of Eleven(11) Lens
Focal Length & F Number	f=3.5 to 91mm; F1.6 to F4.0
Marginal Lumination Ratio	30% Over
Zoom Ratio	26X (at infinite)
Focus Region	Wide: 0.01m to ∞; Telephoto: 1.6m to ∞; Auto/Manual
Horizontal	42˚ Wide; 1.7˚ Telephoto

Imaging

Imaging Device	1/4" CCD
Number of Pixels	NTSC – 630K Total (340K effective); PAL – 740K Total (400K effective)
Color Separating System	Secondary Mosaic Filter System
Electronic Shutter Speed	NTSC – 1/80,000 - 1/60 - 1/1 sec; PAL – 1/80,000 - 1/50 - 1/1 sec
Imaging Mode	Visible Light Mode; Infrared Light Mode
Minimum Subject Illumination	1 lx (visible light mode, at 1/30 electric shutter speed)
Infrared Lighting	GaAIAs Infrared Radiation LED; Four Piece
Infrared Light Power	About 0.75 W x 4
Infrared Light Wavelength	970nm (peak value)

Video

Color System	NTSC/PAL (depending on the country of use)
Signal S/N ratio	50dB
Resolution	Horizontal: 460 TV Lines; Vertical: 350 TV Lines
Scanning System	Interlace

White Balance	Auto/Manual/One-push
Character Display	Setting, Clock

Mechanism

Pan Angle Range	VC-C50i – ±100˚; VC-C50iR – ±170˚
Tilt Angle Range	VC-C50i – -30˚ to +90˚; VC-C50iR – -90˚ to +10˚
Rotation Speed	Pan: 1 to 90˚/s; Tilt: 1 to 70˚/s
Infared Cut Filter	Motor Driven (visible light mode/infrared light mode)
Preset Function	Nine(9) Positions
Cascade Control	Nine(9) Cameras

Connectors

BNC	Composite Video Output
Multiconnector	S-Video Output, RS-232C Control (input, output), Other
DC Input	Custom Jack (AC adapter is used)
Wide Converter Connection	Diameter: 37mm; Pitch: 0.75mm
Voltage (camera only)	13VDC
Power Consumption	13 W
PowerRite Power Supply	100 - 240V, 50-60Hz, 18VDC

Other

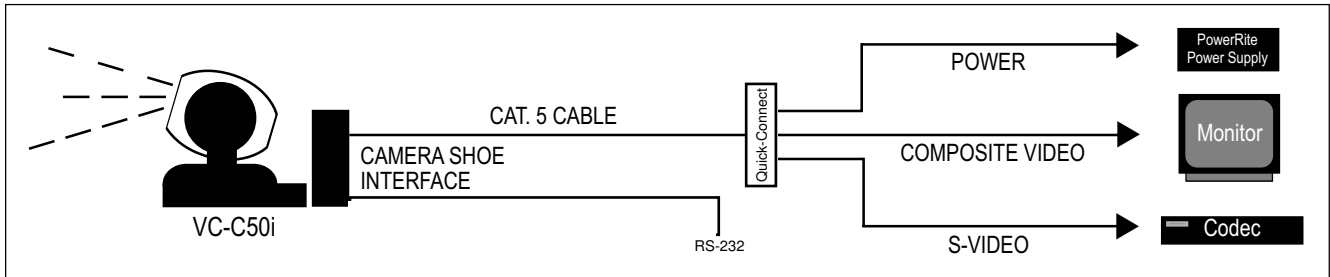|	
Operating Temperature	32˚ to 104° F (0˚ to 40° C)
Dimensions	Depth: 4.48"/113mm, Width: 4"/101mm Height: 3.58"/90mm
Weight	14.3oz/405g

Figure 1 – EZCamera cable system with a Quick-connect box.

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