PTZ Camera for Capture HD™

The CAM-IPTZ-100 is a Sony® PTZ camera capable of capturing high-quality video from a wide range of angles. The CAM-IPTZ-100 captures crystal clear, high-contrast images even in low light and is capable of dual streaming in both JPEG and MPEG4 formats. When connected to Crestron's state of the art Capture HD™ High-Definition Capture Recorder, the CAM-IPTZ-100 is the perfect camera for capturing various angles and views of a presentation.

Pan/Tilt/Zoom Capability

The CAM-IPTZ-100 PTZ camera has remarkable pan/tilt/zoom capability. The CAM-IPTZ-100 boasts a high speed 340 degree panning capability and a tilt range of 115 degrees; allowing users a wide area to choose from when capturing video. The CAM-IPTZ-100 also comes equipped with a powerful 26X optical zoom and a 12x digital zoom so users can zoom in on small or distant objects or individuals without compromising the clarity of the image.

Control System Integration

The CAM-IPTZ-100 can be integrated into your Crestron control system via Ethernet or RS-232, allowing the camera to be controlled using any Crestron touch screen or remote, or even an Apple® iPad® or Android™ mobile device.

Video Streaming

The CAM-IPTZ-100 is a network camera capable of outputting analog video as well as simultaneously streaming MJPEG video to a touch screen. The CAM-IPTZ-100 connects to the Capture HD™ High-Definition Capture Recorder via its composite video output to capture video. Equipped with an Ethernet port, the CAM-IPTZ-100 also connects to the LAN to enable streaming video. Crestron offers a customized touch screen controller (CAPTURE-TPMC-4SM) designed especially for viewing the streaming video as well as controlling the day-to-day operation for the Capture HD High-Definition Capture Recorder.

CaptureLiveHD™

The CaptureLiveHD™ system from Crestron® answers the call for a high-quality meeting and lecture capture solution that's simple enough for the entire faculty to use, and affordable enough for wide-scale deployment across any sized campus or corporate enterprise. CaptureLiveHD delivers a simple and efficient end-to-end solution for recording, post-processing, and online delivery of captured content. Flexible enough to fit any college, university, or corporate work-flow model, CaptureLiveHD translates to a more effective education experience and greater usage of resources while minimizing support overhead.

SPECIFICATIONS

Camera

Image Device: 1/4-type Super HAD CCD
Minimum Illumination: Color: 2.2 lx (50IRE, F1.6, AGC ON), B/W: 0.3 lx (50IRE, F1.6, AGC ON)
Number of Effective Pixels (H x V): 711 x 485 pixels
Electronic Shutter Speed: 1 s to 1/10000 s
Gain Auto: Manual (-3 dB to +28 dB)
Exposure Control: Auto (Full auto, Shutter-priority, Iris-priority), Manual, EV compensation, Backlight compensation
White Balance Mode: Auto, Indoor, Outdoor, One-push WB, ATW, Manual
Lens Type: Auto-focus zoom lens
Horizontal Viewing Angle: 1.7 to 42.0 degrees
Focal Length: f=3.5 to 91.0 mm
F-Number: F1.6 (wide), F3.8 (tele)
Minimum Object Distance: 320 mm (wide), 1500 mm (tele)

Additional Camera Features

Day/Night: Yes
Intelligent Motion Detection: Yes
Pan Angle: -170° to +170°
Pan Speed: 300 degrees/s (max.)
Tilt Angle: -90° to +25°
Tilt Speed: 300 degrees/s (max.)
Zoom Ratio: 26x optical zoom (312x with digital zoom)
Other Functions: Intelligent Object Detection, Anti-tampering, Image stabilizer, Image Flip, Position preset

Image

Codec Image (H x V): 640 x 480, 320 x 240, 160 x 120
Video Compression Format: H.264, MPEG-4, JPEG
Codec Streaming Capability: Dual streaming
Maximum Frame Rate: JPEG/MPEG-4: 30 fps at VGA, H.264: 10 fps at VGA

Analog Video Output

Signal System: NTSC (Composite)
S/N Ratio: more than 50 dB

Interface

Ethernet: 10Base-T/100Base-TX (RJ-45)
Analog Video Output: BNC x 1, composite video 1.0 Vp-p, 75Ω
Interface: PC card x 1, CF card x 1
Serial Interface: RS-232C (Transparency function or VISCA protocol)
I/O Port: Sensor in x 2, Alarm out x 2
PC Card Slots: Compact Flash (for SNCA-CFW1 IEEE802.11b Wireless Card or Compact Flash memory card)

Audio

Audio Compression: G.711, G.726 (40 / 32 / 24 / 16 Kb/s)
Audio Line Output: Mini-jack (monaural) max output level: 1 Vrms
External Microphone Input: Mini-jack , Monaural, 2.2 KΩ, 2.5 V plug-in power

Power

Power Requirements: DC 12 V
Power Consumption: 20 W max.

Network

Protocols: TCP/IP, HTTP, ARP, ICMP, FTP, SMTP, DHCP, SNMP, DNS, NTP
Number of Clients: 20

System Requirements (For Setup)

Operating System: Microsoft Windows® 2000/XP
Processor: CPU: Intel Pentium® IV 1.5 GHz or higher
Memory (RAM): 256 MB or more
Web Browser: Microsoft Internet Explorer Ver. 6.0

Environmental

Temperature: 32°F to 104°F (0°C to 40°C)
Humidity: 20% to 80% Non-condensing

Dimensions

Width: 5.51 in (140 mm)
Height: 6.54 in (166 mm)
Depth: 5.59 in (142 mm)

Weight

2.625 lb (1.2 kg)

MODELS & ACCESSORIES

Available Models

CAM-IPTZ-100: PTZ Camera for CAPTURE-HD

Notes:

This product may be purchased from an authorized Crestron dealer. To find a dealer, please contact the Crestron sales representative for your area. A list of sales representatives is available online at www.crestron.com/salesreps or by calling 800-237-2041.

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