

# CAM-IPTZ-100

## 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)

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## Additional Camera Features

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**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

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**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

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

## Interface

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**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

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**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

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

## Network

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

## System Requirements (For Setup)

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**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

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

## Dimensions

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

## Weight

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2.625 lb (1.2 kg)

## MODELS & ACCESSORIES

### Available Models

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**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](http://www.crestron.com/salesreps) or by calling 800-237-2041.

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