PTZ-IP™ 12/20

HD PTZ Camera

OVERVIEW

- **AFFORDABLE HIGH QUALITY PTZ CAMERA**
All cameras output up to 1080p 60 via HD-SDI. Excellent image quality with 1/2.8" Sony Exmor CMOS sensor. Adapters available to convert to HDMI or USB.

- **DUAL IP STREAMS UP TO 1080P30**
View preview or high quality streams over network. Configure streams using RTSP protocol. Bitrates from 100kbps to 8mbps and framesize/framerate from 320x240 1fps to 1920x1080 30fps.

- **REMOTE OPERATION OVER IP OR SERIAL**
Remote control with included handheld IR remote, joystick or Crestron/Extron control system over RS-232/485 or with software over IP.

- **QUIET, FAST SWITCHING BETWEEN PRESETS**
Set up to 265 combinations of pan, tilt, zoom (presets) and the camera will move to the pre-set point when called. Quiet, fast motor (120°/s pan speed) sets camera angles quickly.

- **USE WITH POPULAR SWITCHERS AND RECORDERS**
Perfect for lecture capture, video conferencing or recording for later editing, camera is compatible with recording and/or switching system of choice.

- **EASY MOUNTING OPTIONS**
Standard mounting hole makes it easy to mount with tripod, ceiling or wall mount. Image flip allows it to be mounted upside down if needed. PTZ-IP12 & PTZ-IP20 have Power over Ethernet.

FEATURES

- Image Flip
- OSD Menu
- Available with NDI | HX©

APPLICATIONS

- Lecture Halls
- Classrooms
- Conference Centers
- Corporate Conferences
- Video Conferencing
- Worship Services
- Large Venues

SUPPLIED ACCESSORIES

- Power Supply
- Wall Mount
- Serial Control Breakout
- USB with Cam Manager Software

OPTIONAL ACCESSORIES

- Joystick Controller
- Remote Power Kit
- Ceiling "J" Mount

1 beyond

PTZ-IP™ 12/20

HD PTZ Camera

SPECIFICATIONS

	PTZ-IP20	PTZ-IP12
Image Sensor	1/2.8'' Sony Exmor CMOS, 2.14 MP	1/2.8'' Sony Exmor CMOS, 2.14 MP
Video Outputs	HD-SDI, HDMI, NDI | HX© over Ethernet (optional)	HD-SDI, HDMI, NDI | HX© over Ethernet (optional)
Signal Formats (HD)	1080p60/50/30/25, 1080i60/50, 720p60/50/30/25	1080p60/50/30/25, 1080i60/50, 720p60/50/30/25
Power	DC12V, <30W | PoE+	DC12V, <30W | PoE+
Operating Temperature	32° - 104° F (0° - 40° C)	32° - 104° F (0° - 40° C)
Dimensions & Weight	8.9" x 8.1" x 6.3" (226mm × 206mm × 159mm), 3.74lbs (1.7KG)	8.9" x 8.1" x 6.3" (226mm × 206mm × 159mm), 3.74lbs (1.7KG)
Color	Gray	Gray
Mounts	1/4" Threaded Mount Hole for 90° Wall Mount, "J" Ceiling Mount, or Tripod	1/4" Threaded Mount Hole for 90° Wall Mount, "J" Ceiling Mount, or Tripod
Recommended Range	*****************	*****************
Focal Lens & Iris	f=4.7mm - 94mm, F1.6 - F3.5	f=3.9mm - 46.8mm, F1.6 - F2.8
Zoom	20X Optical, 20X Digital	12X Optical, 12X Digital
Field of View	59.5° - 2.9°	72.5° - 6.3°
Focus System	Auto, Manual, PTZ Trigger	Auto, Manual, PTZ Trigger
Minimum Illumination	0.5 Lux (30FPS)	0.5 Lux (30FPS)
Shutter Speed	1/1 - 1/10,000 sec	1/1 - 1/10,000 sec
Gain	Auto, Manual	Auto, Manual
White Balance	Auto, Indoor, Outdoor, One Push, Manual	Auto, Indoor, Outdoor, One Push, Manual
Exposure	Auto, Manual, Shutter Priority, Iris Priority	Auto, Manual, Shutter Priority, Iris Priority
S/N	≥50dB	≥50dB
Tilt/Pan Angle	Tilt:30° - 90°, Pan: 170° - 170°	Tilt:30° - 90°, Pan: 170° - 170°
Tilt/Pan Speed	Tilt: 0.1° - 90° /s, Pan: 0.1° - 120° /s	Tilt: 0.1° - 90° /s, Pan: 0.1° - 120° /s
Number of Presets	Up to 256	Up to 256
Serial Control	RS-485, RS-232 (VISCA, PELCO-D)	RS-485, RS-232 (VISCA, PELCO-D)
Streaming Resolution	Up to 1080p30, User-selectable framesize/framerate/bitrate	Up to 1080p30, User-selectable framesize/framerate/bitrate
IP Video Compression	H.264 (Dual stream)	H.264 (Dual stream)
IP Audio Compression	AAC	AAC
Streaming	RTSP, RTMP	RTSP, RTMP
IP Control Protocol	HTTP, RTP, TCP, UDP, ONVIF	HTTP, RTP, TCP, UDP, ONVIF
Simultaneous Viewers	Up to 10 Viewers	Up to 10 Viewers
Ethernet	RJ45, 100Mb	RJ45, 100Mb