



HD-CAM-1080PTZ

Full HD PTZ Camera



FEATURES

- **Full HD Resolution:** 1/2.8 inch high quality CMOS sensor. Resolution is up to 1920x1080 with frame rate up to 60 fps.
- **Multiple Optical Zoom Lens:** 12X/20X optical zoom lens.
- **Leading Auto Focus Technology:** Fast, accurate and stable auto focusing technology.
- **Low Noise and High SNR:** Super high SNR image is achieved with low noise CMOS. Advanced 2D/3D noise reduction technology further reduces the noise while ensuring high image clarity.
- **Multiple video output interfaces:** HDMI, SDI, USB3.0, LAN.
- **Simultaneously output audio and video signal** via HDMI, SDI and LAN. LAN interface support POE, USB 3.0 support dual code stream, SDI support transmission up to 100m under 1080P60 format
- **Multiple Audio/Video Compression Standards:** Support H.264/H.265 video compression, up to 1920x1080 resolution 60 fps; support AAC, MP3 and G.711A audio compression, 8000,16000,32000,44100,48000 sampling frequency
- **USB3.0 Support Dual Coding Stream:** Support main stream and sub –stream, and simultaneous output; support YUY2, MJPEG, H.264, NV12, H.265 video coding format
- **Built-in Gravity Sensor:** Support PTZ auto-flip function and easy installation.
- **Multiple Network Protocol:** Support ONVIF,GB/T28181,RTSP,RTMP,VISCA OVER IP,IP VISCA,RTMPS,SRT protocols; Support RTMP push mode, easy to be connected to streaming server (Wowza,FMS); Support RTP multicast mode;
- **Control Interface:** RS422 is compatible with RS485, RS232-IN, RS232-OUT, and the RS232 interface supports cascading.
- **Multiple Control Protocol:** Support VISCA, PELCO-D,PELCO-P protocols; Support automatic identification protocols.
- **Quiet Pan / Tilt Movement:** With high accuracy step driving motor, camera can pan / tilt extremely quiet and smooth.
- **Various Remote Controls:** Users can choose infrared remote control or wireless remote control according to the environmental conditions used. The 2.4G wireless remote control is not affected by angle, distance, and infrared interference. Support the remote control signal transparent transmission function, which is convenient for back-end equipment to use.
- **AI Human Detection:** Built-in high-speed processor and advanced image processing and analysis algorithms, users can choose real-time tracking and regional tracking according to the environment.

DESCRIPTION

This series camera has perfect functions, superior performance and rich video output interfaces; Featuring with advanced ISP processing algorithms, offering vivid and high resolution video with a strong sense of depth and fantastic color rendition. It supports H.264/H.265 encoding which makes motion video more fluent and clear under low bandwidth conditions.

SPECIFICATIONS

Camera	
Sensor	1/2.8-inch high quality 4K CMOS sensor
Effective Pixels	2.07MP
Video Format	HDMI/SDI: 1080p60 1080p59.94 1080p50 1080p30 1080p29.97 1080p25 720p60 720p59.94 720p50 USB3.0 Main Stream: MJPG/H.264: 1920x1080 1600x896 1280x720 1024x576 960x540 800x600 800x448 720x576 720x480 640x480 640x360 480x270 352x288 320x240 - @30/25/20/15/10/5fps YUY2/NV12: 1920x1080 1280x720 1024x576 800x600 800x448 640x480 640x360 480x270 320x180 - @30/25/20/15/10/5fps USB3.0 Sub Stream: MJPG/H.264: 1920x1080 1600x896 1280x720 1024x576 960x540 800x600 800x448 720x576 720x480 640x480 640x360 480x270 352x288 320x240 - @30/25/20/15/10/5fps YUY2/NV12: 1920x1080 1280x720 1024x576 800x600 800x448 640x480 640x360 480x270 320x180 - @30/25/20/15/10/5fps
FOV	72.5° W
Aperture	F=1.8~2.4
Optical Zoom / Digital Zoom	12X / 15X

Camera	
Minimum Illumination	0.5Lux (F1.8, AGC ON)
White Balance	Auto, manual, one-push white balance, specified color temperature
Focus	3.9~46.8mm
Focus Mode	Automatic, manual, one-push focus
Exposure Mode	Auto, manual, shutter priority, aperture priority, brightness priority
Digital Noise Reduction	2D & 3D
BLC	On / Off
Dynamic Range	Off, 1~8
Image Adjustment	Brightness, chroma, saturation, contrast, sharpness, black and white mode, gamma curve
SNR	≥50dB
Real-time Tracking	Maximum tracking range: 6~7m
Regional Tracking	Support for 4 regions within the horizontal -170°~+170° and within the vertical -30°~+90°



Scan for more information, including product manual, specifications, and downloads

Video Interface	
Outputs	1x HDMI 1x SDI 1x LAN (POE) 1x USB3.0 Type-B
Video Encoding Format	LAN Interface: Supports H.264/H.265 main and sub streams USB3.0: Supports YUY2, MJPG, H.264, and NV12 main stream
Audio Interface	
Input	3.5mm Stereo Line Input
Outputs	1x HDMI 1x SDI 1x LAN 1x USB3.0 Type-B
Audio Compression	AAC, MP3, G.711A
LAN Interface	
Connection	10M/100M adaptive Ethernet port with PoE
Network Protocol	RTSP, RTMP, ONVIF, GB/T28181, VISCA over IP, IP VISCA, RTMPS, SRT
Control Interface	
Connections	1x 4-Pin Phoenix, RS232-IN, RS232-OUT, RS422 compatible with RS485

Video Interface	
Serial Communication Protocol	VISCA, Pelco-D, Pelco-P with baud rate support: 115200, 38400, 9600, 4800, 2400
USB Communication Protocol	UVC (video communication), UAC (audio communication)
Power Interface	
Connection	HEC3800 Power Socket (DC12V)
Power Adapter	Input: AC110V-AC220V Output: DC12V/2.5A
Input Voltage	DC12V±10%
Input Current	<1A
Consumption	<12W

PTZ	
Pan Rotation	-170° ~ +170°
Pan Speed	0.1°/s ~ 100°/s
Tilt Rotation	-30° ~ +90°
Tilt Speed	0.1°/s ~ 45°/s
Preset Speed	Pan: 100°/s Tilt: 45°/s
Preset Quantity	Maximum 255 preset positions (10 via remote control)

General	
Operating Temperature	-10°C to 50°C (14°F to 122°F)
Storage Temperature	-10°C to 70°C (14°F to 158°F)
Humidity	20% to 80%, non-condensing
Power Consumption	5W (Max) (5V, 1A)
Device Dimension (W x H x D)	181mm x 115mm x 149mm / 7.13" x 4.53" x 5.87"
Product Net Weight	1.15kg
Environment	Indoor

