

## PTZ Tracking Camera PTZ-HD630U

**LIVE**

**Streaming & Broadcasting**



Comm PTZ-HD630U is a dedicated intelligent auto-tracking camera. PTZ-HD630U is built-in with high speed processor, advanced image processing and analysis algorithms to track lecturers and students accurately and quickly, which is in line with the requirements of lecturer capture and remote interactive teaching.

PTZ-HD630U adopts advanced ISP technologies and algorithms, to make a vivid image quality, screen brightness uniformity, strong sense of depth, high-definition, and fantastic color rendition. As a stable, reliable and simple machine to operate, PTZ-HD630U has full function and high performance.

### Features

- **Superb High-definition Image**  
1/2.8 inch high quality CMOS sensor. Resolution is up to 1920x1080 with frame rate up to 60 fps.
- **Leading Focus Technology**  
Leading auto focus algorithm makes lens a fast, accurate and stable auto-focusing.
- **Low Noise and High SNR**  
Low Noise CMOS effectively ensure high SNR of video. Advanced 2D/3D noise reduction technology is used to further reduce the noise, while ensuring image sharpness.
- **Audio Input Interface**  
Support 8000, 16000, 32000, 44100, 48000 sampling frequency and AAC, MP3, PCM audio coding.
- **Wide-range, Quiet and Quick Pan/Tilt Mechanism**  
Using step driving motor mechanism, PTZ-HD630U camera works extremely quiet and moves smoothly without any noises.
- **Multiple Video Compression**  
Support H.264/H.265 video compression. Support compression of resolution up to 1920x1080 with frame up to 60 fps and 2 channels 1920x1080p with 30 fps compression.
- **Multiple Network Protocol**  
Support ONVIF, GB/T28181, RTSP, RTMP protocols and support RTMP push mode, which is easy to link streaming media server (Wowza, FMS), RTP multicast mode and network full command VISCA control protocol.
- **Multiple Control Protocol**  
Support VISCA, PELCO-D, PELCO-P protocols and automatic identification protocol.
- **Low-power Sleep Function**  
Support low-power sleep/wake up, the consumption is lower than 400mW under sleep mode.

All products information and specifications are subject to changes without prior notice.

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### Specifications

#### A) Tracking Camera and Lens Parameter

Sensor	1/2.8 inch high quality HD CMOS sensor
Effective Pixels	2.07 megapixel; 16:9
Video Signals	SDI, HDMI Interface: 1080P60/50/30/25/59.94/29.97 1080i60/50/59.94
Optical Zoom	20x optical zoom f=5.5~110mm
View Angle	3.3°(tele)~54.7°(wide)
Iris	F1.6 ~ F3.5
Digital Zoom	X10
Minimum Illumination	0.5Lux(F1.8, AGC ON)
Digital Noise Reduction	2D & 3D
White Balance	Manual/Auto/One Push/ 3000K/3500K/4000K/4500K/5000K/5500K/6000K/6500K/7000K
Focus	Auto/Manual/One Push
Aperture	Auto/Manual
Electronic Shutter	Auto/Manual
BLC	ON/OFF
WDR	OFF/Dynamic Range adjustment
Video Adjustment	Brightness,Color,Saturation,Contrast,Sharpness,Gamma curve
SNR	>55dB

#### B) Panoramic Camera

Sensor	1/2.8 inch high quality HD CMOS sensor
Effective Pixels	2.07 megapixel
Lens	Manual Focus
Video Interface	SDI Interface: SDI, LAN; HDMI Interface:HDMI,U3,LAN
4mm Lens View Angle(D/H/V)	89.6°\71°\52.2°
6mm Lens View Angle(D/H/V)	67.0°\59°\32.5°
2.8mm Lens View Angle(D/H/V)	125°\100°\75°

#### C) Pan Tilt Parameter

Pan Rotation	-170°~+170°
Tilt Rotation	-30°~+90°
Pan Control Speed	0.1 ~100°/s
Tilt Control Speed	0.1~45°/s
Preset Speed	Pan: 100°/s,Tilt:45°/s
Number of Preset	Max 255

#### D) Input/Output Interface and Protocols of Tracking Camera

Network Interface	100M network interface (10/100BASE-TX) 5G WiFi(optional)
Network Protocol	RTSP,RTMP,ONVIF,GB/T28181, Network VISCA Control Protocol
Image Code Stream	Dual stream output
Video Compress Format	H.264,H.265
Control Signal Interface	RS232 Input
Control Protocol	VISCA/Pelco-D/Pelco-P; Baud Rate:115200/9600/4800/2400bps
Audio Input Interface	Dual audio channel 3.5mm linear input
Audio Compression Format	AAC,MP3,G.711A
Power Interface	HEC3800 outlet (DC12V)

E) General		E) General	
Supply Adapter	Input AC110V-AC220V to DC12V/2.5A	Working Temperature	-10°C~+50°C
Input Voltage	Output DC12V±10% POE power supply optional	Working Humidity	20%~80%
Input Current	1.5A(Max.)	Dimensions (L*W*H)	253.9mmX179mmX144.7mm
Consumption	18W(Max.)	Weight	1.5kg (approx.)
Store Temperature	-10°C~+60°C	Application	Indoor
Store Humidity	20%~95%	Package	Power supply, RS232 control cable, USB3.0 connection cable, Remote controller, User manual

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