4K 60FPS | AI Smart Tracking | 30× Optical Zoom | Remote Control | Multiple Interface

CMP-U30

4K Professional Super Telephoto PTZ Camera

Designed for ProAV market, equipped with 30X large optical zoom, coupled with robust and reliable Pan/Tilt mechanical, achieve a smooth and precise tracking. Best choice for broadcasting, live streaming, stadiums and other scenarios need large optical zoom.





Features

▼ 4K60FPS
Use a high -quality 1/1.8 inches UHD CMOS sensor with 8.42 million pixels. Support max 4K60fps image output and multiple lower resolutions like 1080p/720p.

▼ 30× Optical Zoom + 59° Wide -angle Lens
4K optical lens, support max 30× optical zoom and 59° horizontal field of view, can cover the demand of Extra-large conferencing room and other scenarios need larger optical zoom.

▼ AI Smart Tracking
With the built-in AI capability and algorithms, camera can support multiple tracking modes,including body tracking, hybrid tracking and etc.

▼ Remote Control
Support multiple ways of control, like RS232, RS485, Network and USB.

▼ Non-compressed video stream
HDMI2.0 and 3G-SDI I/O, can output non-compressed video stream.

▼ Low Illumination
The new generation high performance CMOS image sensor can significantly reduce the image noise in low illumination. With the 3D noise reduction algorithms, even in an ultra-low illumination environment,camera can still deliver a sharp and clean image with more than 55dB S/N ratio.

▼ Gravity Sensor[1]
Support image flipping, apply to head-up/head-down installation.

▼ NDI®|HX2[1]
Support low-latency NDI®|HX2 protocol, plug to play, minimal configuration and easy for deployment.

▼ Multiple Interfaces
HDMI2.0, USB2.0/3.0, 3G-SDI(Up to 150meters transmission with 1080P30), LAN. Support HDMI/3G-SDI, USB, LAN streaming simultaneously[2].

Remark:
1. This function is optional.
2. For simultaneous output of 4 HD digital signals, please contact the manufacturer for specific version support.

Product Specification

▼ Camera Spec

Signal System	**HDMI:** 4KP60, 4KP59.94, 4KP50, 4KP30, 4KP25, 4KP29.97, 1080P60, 1080P50, 1080I60, 1080I50, 1080P30, 1080P59.94, 1080I59.94, 1080P29.97, 720P60, 720P59.94; **3G-SDI:** 1080P/60, 1080P/50, 1080P/30, 1080P/29.97, 1080P/59.94, 1080P/25; 1080I/60, 1080I/50, 1080I/59.94; 720P/60, 720P/59.94;
Sensor	1/1.8 inches, CMOS, Effective Pixels: 8.42 Megapixels
Scanning Mode	Progressive
Lens	30x, f=7.1mm ~ 210mm, F1.61 ~ F5.19
Digital Zoom	16x
Minimum Illumination	0.5Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, VAR
Backlight Compensation	Support
Digital Noise Reduction	3D Digital Noise Reduction
SNR	≥ 55dB
Horizontal FOV	59.2° ~ 2.5°
Vertical FOV	34.6° ~ 1.4°
Pan Angle	±170°
Tilt Angle	-30° ~ +90°
Pan Speed	1.7° ~ 100° /s
Tilt Speed	1.7° ~ 69.9° /s
Image Flip	Support
Image Freeze	Support
PoE+	Support
Preset Position	255
Preset Accuracy	0.1°

▼ I/O

HD Output	1 x HDMI: Version 2.0; 1 x 3G-SDI: BNC , 800mVp-p, 75Ω, as per SMPTE 424M standard
Network Interface	1 x RJ45: 10M/100M/1000M adaptive Ethernet
Audio Interface	1 x LINE IN: 3.5mm Jack 1 x LINE OUT: 3.5mm Jack
USB Interface	1 x USB2.0, Type-A 1 x USB3.0, Type-B[1]
Control Interface	1 x RS485: 2pin phoenix port, Max Distance: 1200m, Protocol: VISCA / Pelco-D / Pelco-P; 1 x RS232 IN: 8pin Mini DIN, Max Distance: 30m, Protocol: VISCA / Pelco-D / Pelco-P; 1 x RS232 OUT: 8pin Mini DIN, Max Distance: 30m, Protocol: VISCA only
RESTORE Button	Support
Power Interface	JEITA type (DC IN 12V)

▼ Network Spec

Video Compression	H.265 / H.264 / MJPEG
Video Stream	First Stream, Second Stream
First Stream Resolution	3840x2160,1920x1080,1280x720,1024x576 etc.
Second Stream Resolution	720x480, 320x240 etc.
Video Bit Rate	First Stream: 32kbps~51200kbps Second Stream: 32kbps~20480kbps
Bit Rate Control	VBR, CBR
Frame Rate	50Hz: 1fps~50fps, 60Hz:1fps~60fps
Audio Compression	AAC、G711A
Audio Bit Rate	96Kbps、128Kbps
Protocols	NDI®|HX2,SRT,TCP/IP, HTTP, RTSP, RTMP(s), Onvif,DHCP,GB/T 28181, Multicast, etc.

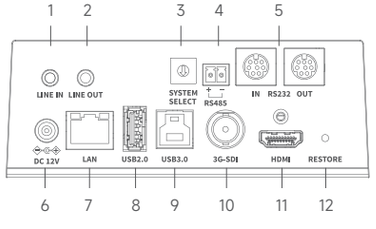
▼ USB Spec

Operating System Supported	Windows 7 (only supports UVC1.1 features), Windows 8 and above version, Mac OS X, Linux 2.4.6 and above version, Android needs to include the version of UVC-related drivers
Color System / Compression	YUY2 / H.264 / MJPEG / H.265
Video Format	YUY2: Max.1080P5（USB2.0）; YUY2: Max.1080P30（USB3.0）[1]; H.264 AVC: Max.2160P30; H.265 HEVC: Max.2160P30; MJPEG: Max.2160P30
USB Audio	Support
USB Video Communication Protocol	UVC 1.1~1.5
UVC PTZ Control	Support

▼ Generic Spec

Input Voltage	DC 12V /PoE+（802.3at）
Input Current	2A（Max.）
Operating Temperature	0° C ~ 40° C
Storage Temperature	-40° C ~ 60° C
Power Consumption	18W（Max.）
Dimension	170mm **(W)** x 196mm **(D)** x 228mm **(H)**
Net Weight	2.0kg

Interface Diagram



1 —— LINE IN
2 —— LINE OUT
3 —— SYSTEM SELECT
4 —— RS485
5 —— RS232 IN/OUT
6 —— DC 12V
7 —— LAN
8 —— USB2.0
9 —— USB3.0[1]
10 —— 3G-SDI
11 —— HDMI
12 —— RESTORE