CMP-U20

4K30P Professional PTZ Camera

4K30P / NDI®|HX2 / 20x Optical Zoom



Product Features

4K30P

Using 1/1.8-inch high-quality UHD CMOS sensor with a maximum of 8.42 million pixels can realize 4K (3840x2160) ultra-high-resolution high-quality images. And downward compatible with 1080p, 720p and other resolutions.

20x Optical Zoom + 60 ° Wide-angle Lens

Adopt high-quality ultra-high-resolution 4K ultra-high-definition telephoto lens, support up to 20x optical zoom, 35mm equivalent focal length up to about 610mm, 40x clear zoom at 1080P resolution, and horizontal field of view up to 60°

Electro Mechanical PTZ

Built-in self-developed electro mechanical PTZ, the horizontal rotation range can reach ±170 ° , the rotation speed range is 1.7°～ 100° /s; the vertical rotation range can reach -30°～ 90° , and the rotation speed range is 1.7°～ 69.9° /s.

Multiple Interfaces

Support HDMI and 3G-SDI interface, effective transmission distance of 3G-SDI is up to 150 meters (1080P30). HDMI, LAN or 3G-SDI, LAN can output 2 high-definition digital signals at the same time.

Uncompressed Professionally video output

With HDMI 1.4b and 3G-SDI interface, it can directly output uncompressed digital video.

Remote Control

Support variety of control methods, you can use RS232, RS485, network and USB to control the camera.

Low Illumination

The application of 3D noise reduction algorithm greatly reduces image noise. Even under the condition of ultra-low illumination, it still keeps the picture clean and clear, and the SNR of image is as high as 55dB.

NDI®|HX2 [1]

NDI®|HX2 has the characteristics of low latency and plug and play and easy to be implemented and deployed. It has good ecology and supports the simultaneous transmission of audio, video and control commands. It is a new generation of network video transmission mode.

Smart Exposure

Effectively solve the impact of projection, TV and other equipment on shooting people.

Local Storage

Support U disk local storage, local recording directly without NVR.

Low Power Sleep

It supports low-power sleep/wake-up and consumes less than 400mW in sleep mode.

Remark:
1. This function is optional.

Product Specifications

Main Features

Uncompressed Professionally video output	**HDMI:** 4K30P, 4K29.97P, 4K25P, 1080P60, 1080P59.94, 1080P50, 1080P30, 1080P29.97, 1080P25, 1080I60, 1080I59.94, 1080I50, 720P60, 720P59.94, 720P50; **3G-SDI:**1080P60,1080P59.94, 1080P50, 1080P30, 1080P29.97, 1080P25, 1080I60, 1080I59.94, 1080I50 ,720P60, 720P59.94;
Sensor	1/1.8 inches, CMOS, Effective Pixels: 8.42 Megapixels
Scanning Mode	Progressive
Focal length	20x, f=6.25mm ~ 125mm, F1.58 ~ F3.95
Digital Zoom	16x(Max.)
Minimum Illumination	0.5 Lux @ (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	60° ~ 3.5°
Vertical FOV	35.7° ~ 2.0°
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°

Interfaces

HD Output	1x HDMI: Version 1.4b; 1x 3G-SDI: BNC , 800mVp-p, 75Ω, as per SMPTE 424M standard
Network Interface	1x 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
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
Power Interface	JEITA type (DC IN 12V)



Network Features

Video Compression	H.265 / H.264 / MJPEG
Video Stream	First Stream, Second Stream
First Stream Resolution	3840x2160, 1920x1080, 1280x720, 1024x576 etc.
Second Stream Resolution	720x576, 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/ RTMPS,Onvif,DHCP,Multicast, GB/T 28181, etc.

General Specifications

Input Voltage	DC 12V/PoE+(802.3at)
Input current	1.5A (Max.)
Operating Temperature	-10 ~ 40° C
Storage Temperature	-40 ~ 60°C
Power Consumption	13W (Max.)
Dimension	169mm x 142mm x 175mm
Net Weight	1.4Kg