

Product Specification

1. Product Feature



✧ 4KHD

Apply 1/2.5 inch 、 maximum 8.51M high-quality UHD CMOS sensor, can achieve 4K (3840 × 2160) ultra-high resolution high-quality images. And downward compatible with 1080P, 720P and other resolutions.

✧ 71° Wide-angle Lens + 12x Digital Zoom

Customized high-quality true 8M ultra-high resolution 4K ultra-wide Angle lens, a 12 x optical zoom, and a horizontal field of view angle of up to 71° .

✧ HDMI1.4b output

Support HDMI 1.4b specification , with a direct output of 4K uncompressed digital video.

✧ **Low-power sleep function**

Support low power sleep / wake up, dormant power consumption is less than 400mW.

✧ **Low-light**

The new CMOS image sensor with ultra-high noise ratio can effectively reduce the image noise under the low illumination condition, and the 3D noise reduction algorithm can greatly reduce the image noise. Even in the case of ultra-low illumination ratio, the picture is still kept clean and clear, and the image signal-to-noise ratio is up to over 55dB.

✧ **Rich and perfect port**

Support for HDMI1.4b HD output , Also equipped with a 3G-SDI interface, the effective transmission distance is up to 150 meters (1080p30). HDMI, LAN, or 3G-SDI, LAN can simultaneously output 2-channel HD digital signals.

✧ **Remote Control**

Multiple control modes, using RS232、RS485, network and USB to control the camera.

✧ **Built-in OLED display screen**

HDMI and SDI output resolution, frame rate and IP address.

2. Camera Parameters

Pixel	8.51M
Output resolution	4K@30fps,4K@29.97fps,4K@25fps, 1080P@60fps,1080P@50fps, 1080I@60fps,1080I@50fps, 1080P@30fps,1080@25fps, 1080P@59.94fps,1080I@59.94fps, 1080P@29.97fps,720P@60fps, 720P@59.94fps,720P@50fps
Sensor	1/2.5 inch, CMOS
Lens	12x, f = 4.4mm ~ 52.8mm, F1.8 ~ F2.6
Digital Zoom	12X
Horizontal Angle of View	71° ~ 8.2°
Vertical Angle of View	42.7° ~ 4.5°
Minimal Illumination	0.5Lux @ (F1.8, AGC ON)

3. Network Features

Video Compression	H.265 / H.264 / MJPEG
Video Stream	First Stream, Second Stream
First Stream Resolution	840 × 2160, 1920 × 1080, 1280 × 720, 1024 × 576, 720 × 480, 720 × 408, 640 × 480, 640 × 360

Second Stream Resolution	720 × 480, 720 × 408, 640 × 480, 640 × 360, 480 × 320, 320 × 240
Video Bit Rate	48Kbps, 64Kbps, 96Kbps, 128Kbps
Bit Rate Control	Variable Rate, Fixed Rate
Frame Rate	50hz: 4k encoding supports a maximum of 30 frames, 1080P encoding supports a maximum of 50 frames 60hz: 4k supports a maximum of 30 frames, 1080P supports a maximum of 60 frames
Audio Compression	G711A
Audio Bit Rate	96Kbps、128Kbps
Protocols	TCP/IP,HTTP,RTSP,RTMP/RTMPS, Onvif,DHCP,SRT,GB/T 28181, Multicast etc

4. I/O Port

USB Port	1 × USB2.0: Up to 4K@30fps compressed video is output
HDMI Out put	1 × HDMI: Version 1.4b
3G-SDI Out put	1 × 3G-SDI: BNC type, 800mVp-p, 75Ω, Along to SMPTE 424M standard
LAN Port	1 × RJ45: 10M/100M/1000M Support PoE

Audio Port	1 × Line In/Mic In, 3.5mm Audio Port
Communication Port	1 × RS232 In: 8pin Min DIN, Max Distance 30m, VISCA/Pelco-D/Pelco-P Protocols 1 × RS485: 2phoenix, Max Distance 1200m, VISCA/Pelco-D/Pelco-P Protocols
Power Port	JEITA type (DC IN 12V)

5. Power

Input Voltage	DC 12V
Current Consumption	1A

6. Physical Specifications

Dimension L × H × D	238 × 167 × 149mm
Dimension (package) L × W × H	285 × 235 × 230mm
Net Weight	1.35Kg
Gross Weight	3.10Kg

7. Accessories

Adapter	× 1
Remote Control	× 1
Wall mounted bracket (Screw bag)	× 1

USB Cable	× 1
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8. Environmental Conditions

Operation Temperature	-10°C~40°C
Operation Humidity	10%~90%RH
Storage Temperature	-40°C~60°C
Storage Humidity	10%~90%
Altitude	Below 5000 meters

9. Statement

Size and weight vary by configuration and manufacturing process, please refer to the actual product.

The product images are for illustrative purposes only and may slightly differ in appearance, colour, size, etc. from the actual product.

The description, illustrations, etc. in this document may subject to change in accordance with the latest product specification and performance.

Should the above-mentioned change in the document become necessary, the document may be updated without written notice.