

20x Ultra HD Broadcast Camera

4K30

HDMI+IP+USB3.0+3G-SDI

20x

RJ45

Tally

NDI|HX2



Features

■ 4K Ultra-high-definition:

Applied SONY 1/2.8-inch 8.5 million high-quality CMOS image sensor with 8.29 million effective pixels, it can realize the maximum 4K30 (3840x2160) ultra-high-definition resolution image output.

■ 20x Optical Zoom:

Equipped with a 20x optical telephoto lens, supports the mainstream horizontal viewing angle of 58.7°, satisfying video conferencing in large halls, blackboard writing in lecture halls.

■ USB3.0+HDMI+IP+3G-SDI Full Interfaces:

Compatible with mainstream video output interfaces.

Default version: HDMI+LAN can output 4K30 resolution at the same time.

Optional version: HDMI+USB3.0 can output 4K30 resolution at the same time.

■ Built-in Front and Rear All-round Tally Lights:

Supports red and green standard tally indicators on the front and back.

■ Low Light:

The new ultra-high signal-to-noise ratio CMOS image sensor can effectively reduce image noise under low-light conditions. 2D&3D digital noise reduction reduces image noise. In ultra-low light conditions, the picture can still be clean and clear, S/N Ratio of the image is higher than 50dB.

■ 2.4g Remote Control Signal:

2.4g remote control signal, achieves ultra-long-distance control.

■ Various Video Compression Standards:

Different interfaces support YUY2, H.265, MJPG, H.264 multiple video compression formats.

■ **Various Network Protocols:**

Supports ONVIF, SRT, RTSP, RTMP and NDI® HX2 ect.

■ **Multiple Control Protocols:**

Supports VISCA (including VISCA Over IP), PELCO P/D protocol, NDI®; automatically identify protocols.

■ **Rear Multi-dimensional Remote Control 5D Small Joystick:**

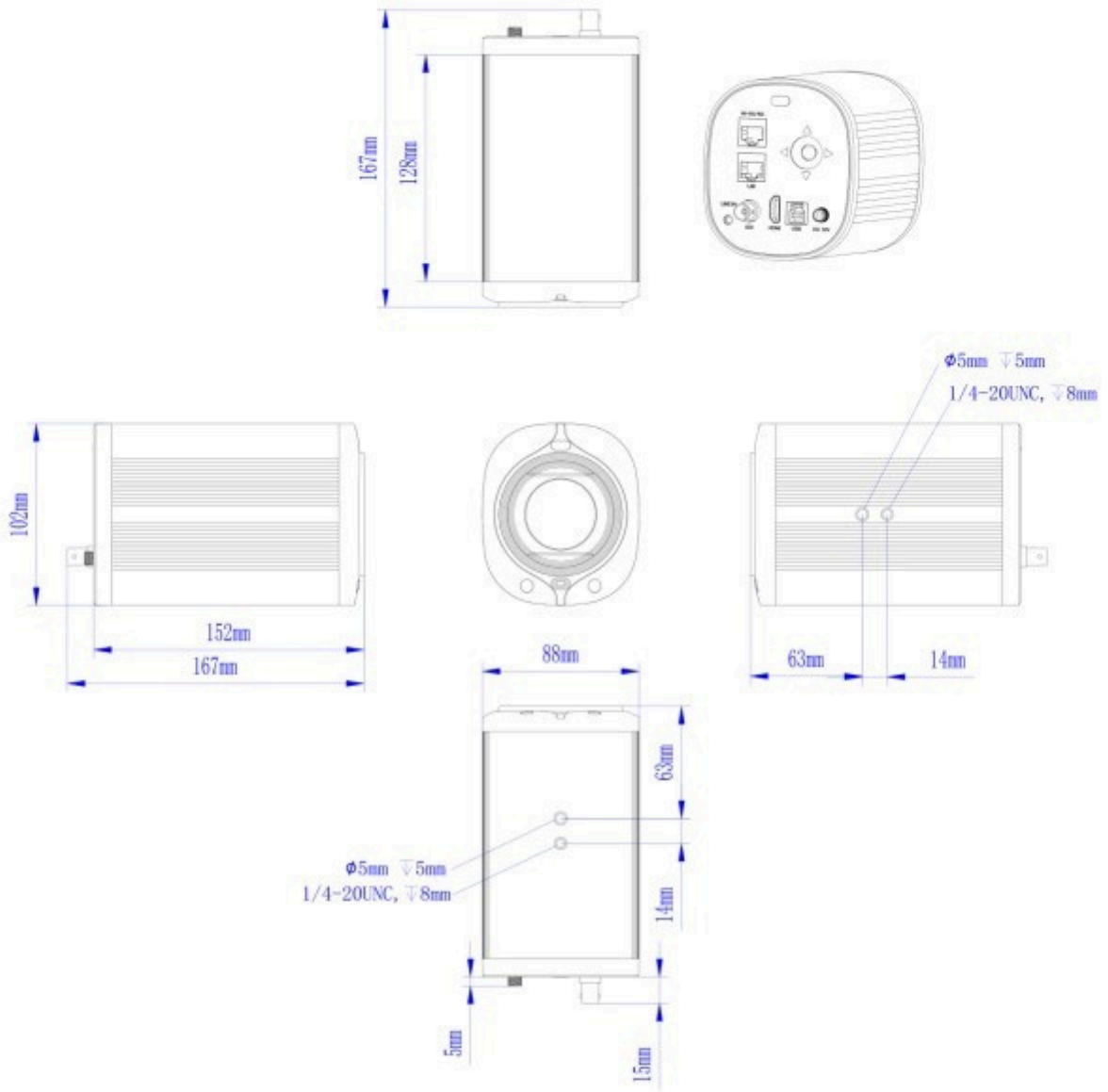
Supports menu selection, zoom and other functions.

Specifications

Image Parameters	
Resolution	HDMI: 4K30/25, 1080p60/59.94/50/30/29.97/25, 720p60/50 SDI: 4K30/25, 1080p60/59.94/50/30/29.97/25, 720p60/50
Image Sensor	SONY 1/2.8" CMOS
Pixels	8.50 Megapixels, 8.29 Effective Megapixels
Scan Mode	Line by line
Lens	20X Optical Zoom, f=5.2mm(W)~104mm(T), F1.55~F3.13
Digital Zoom	16X
Horizontal View Angle	58.7°(W)~3.2°(T)
Vertical View Angle	32.2°(W)~1.8°(T)
Focus System	Auto, Manual
Shutter Speed	1/25s ~ 1/10000s
Minimum Illumination	0.1 Lux @ (F1.5, AGC ON)
Exposure	Auto, Manual, Iris Priority, Shutter Priority, Brightness priority
White Balance	Auto, Indoor, Outdoor, Keying, Auto Tracking, Manual
Backlight Compensation	Support
Digital Noise Reduction	2D&3D Digital noise reduction
S/N Ratio	≥50dB
Pan/Tilt	
Preset Positions	9 preset positions by IR remote controller, 200 preset positions by joystick controller or PC
Preset Accuracy	0.1°±10%
Flip	Support
POE	802.3af
USB	
Protocol	UVC 1.1
Operating System	Window7 and above, MacOS, Linux, Android
Video Compression	YUY2, MJPEG
Resolution	1920*1080, 1280*720, 960*540, 800*600, 720*576, 720*480, 640*480, 640*360, 352*288, 320*240 (USB defaults to 4K is optional)
Frame Rate	Max.30

UVC Control	Support
LAN	
Protocol	TCP/IP, HTTP, RTSP, RTMP, RTMPS, SRT, Onvif, DHCP, VISCA Over IP, NDI@HX2 (Optional)
Video Compression	H.264, H.265
Code Stream	Main code stream*1, Sub code stream*1
Main Stream Resolution	3840*2160, 1920*1080
Sub Stream Resolution	640*480, 640*360, 352*288, 320*240, 176*144
Bitrate Control	VBR, CBR
Audio	
Audio Compression	AAC
Audio Bit Rate	128kbps
Interface	
HDMI Interface	1 Line, HDMI: Version 1.4
SDI Interface	1 Line, 3G-SDI
USB Interface	1 Line, USB3.0, Type-B Socket
Network Interface	1 Line, RJ45: 10M/100M adaptive Ethernet port
Audio Interface	1 Line, Line In, 3.5mm
Serial Interface	1 Line RJ45 interface, support RS232/RS422/RS485: VISCA/Pelco-D/Pelco-P.
Power Interface	IEC 60130-10 Type A
General Specifications	
Tally Light	Support
Input Voltage	DC 12V
Input Current	Max.0.7A
Power Consumption	Max.8.4W
Operating Temperature	0~40℃
Storage Temperature	-10~60℃
Color	Black
Dimension	(W)88*(D)167*(H)102mm
Weight	1.5kg
Accessories	DC 12V power adapter, IR Remote, User manual, USB3.0 Cable, Serial port adapter cable, Bracket

Dimension



Application scenarios



Connection

