

4Kp60 4K Professional Box Camera

Designed for professional broadcasting, educational training, administrative meetings, and more, these cameras feature a 4K image sensor paired with an ultra-long optical zoom lens. Equipped with a digital array microphone, they effortlessly meet the requirements of various scenes. The cameras have built-in operation buttons, support infrared remote control, and web-based operation.



4K 60fps



Multiple
Interfaces



TOF



12X/20X
Optical Zoom



POE+



Built-in
Microphone

Key Features

- 4K60FPS**
 Utilizing a 1/2.8-inch, 8.4 million pixels UHD CMOS sensor, it outputs 4K60FPS, compatible with various resolutions, including 1080P and 720P.
- Multiple Optical Zoom Lens + UHD Wide-Angle Lens**
 B20: 20x optical zoom + 61.2° horizontal FoV.
 B12: 12x optical zoom + 72.8° horizontal FoV.
- Built-in Button Controls**
 The camera has convenient onboard buttons for quick control, eliminating the need for a remote control and facilitating on-site installation and setup.
- Rich and perfect interfaces**
 It supports HDMI, SDI, USB, and network output, adapting well to diverse application scenarios.
- Full-Function Web-page**
 The device features a comprehensive web-page, allowing all configurations and applications to be completed through the web interface, greatly facilitating on-site equipment installation and setup.
- TOF**
 The camera is equipped with a laser-assisted autofocus system, utilizing advanced autofocus algorithms to achieve rapid and precise automatic focusing.
- Support for 3G-SDI**
 It supports 3G-SDI outputting video streams at 1080P60 resolution, better meeting the requirements for image clarity and smoothness in professional fields.
- Built-in Microphone**
 The camera features a built-in microphone array for 360° omnidirectional audio pickup. With noise suppression algorithms, it achieves clear audio pickup with a range of 6 meters.
- Dual Infrared Receivers**
 The camera is designed with front and rear dual infrared sensors, significantly expanding the infrared reception range and enhancing the remote control experience.



Technical Specification

Model	B12	B20
Camera Specification		
Sensor	1/2.8 inches, CMOS, Effective Pixels: 8.4 Megapixels	
Lens	12x Optical Zoom	20x Optical Zoom
Horizontal FOV	72.8° ~ 6.8°	61.2° ~ 3.38°
Vertical FOV	44.1° ~ 3.8°	35.3° ~ 1.90°
Signal System	HDMI: 4KP60, 4KP50, 4KP30, 4KP25, 4KP59.94, 4KP29.97, 1080P60 etc. 3G-SDI: 1080P60, 1080P50, 1080P30, 1080P25, 720P60 etc.	
Focus Mode	Auto, One Push, Manual	
PoE	Support	
Minimum Illumination	0.5Lux (F1.8, AGC ON)	
Shutter	1/30s ~ 1/10000s	
HDR	Support	
Anti-flicker	Support	
Image Flip	Support	
Image Freeze	Support	
DNR	2D & 3D DNR	
White Balance	Auto, Indoor, Outdoor, One Push, Manual, VAR	
Backlight Compensation	Support	
WDR	OFF/ Dynamic level adjustment	
Video Adjustment	Brightness, Color, Saturation, Contrast, Sharpness, B/W mode, Gamma curve	
SNR	>55dB	
Device operation		
Body Buttons	Quantity: 8; Features: Zoom operation, focus operation, brightness adjustment, menu control, image freezing, and mode switching	
Webpage	Full -Function Webpage	
Remote Control	360 ° infrared remote control support	
Input/Output Interface		
Interfaces	USB 2.0, USB3.0, 3G-SDI, HDMI, LAN, Line-IN/OUT, RS485, Standby	
Video Output Interfaces	USB, 3G-SDI, HDMI, LAN	
Network Interface	1 x RJ45: 10M/100M/1000M adaptive Ethernet Support: PoE(802.3af)	
Audio Interface	1 × Line In, 3.5mm Jack 2 × Microphone input	
Audio Output	1 × Line Out, 3.5mm Jack	
USB Interface	1 x USB3.0,Type-C	
Control Interface	1 x RS485: 2pin phoenix port, Max Distance: 1200m, Protocol: VISCA / Pelco-D / Pelco-P	
Power Interface	DC005-2.0mm type (DC IN 12V)	

Network Specification

Video Compression Format	H.265 / H.264 / MJPEG
Image Stream	First Stream, Second Stream
First Stream Resolution	3840x2160, 1920x1080, 1280x720 etc.
Second Stream Resolution	1920x1080, 1280x720, 1024x576 etc.
Video Bit Rate	32kbps~102400kbps
Bit Rate Control	VBR, CBR
Frame Rate	50Hz: 1fps~50fps, 60Hz:1fps~60fps
Audio Compression	AAC, G711A
Sampling Rate	48KHz
Audio Bit Rate	48Kbps, 64Kbps, 96Kbps, 128Kbps
Protocols	NDI® HX2, SRT, TCP/IP, HTTP, RTSP, RTMP(s), Onvif, DHCP, GB/T 28181, Multicast, etc.

USB Specification

Support operating system	Windows 7, Windows 8, Windows 10, Mac OS X, Linux, Android
Color space / compression	H.264 / MJPEG / YUY2
Video format	YUY2: Max.1080P30 H.264 AVC: Max.2160P H.264 SVC: Max.2160P MJPEG: Max.2160P
USB Audio	Support
USB Video	Support
USB video communication protocol	UVC 1.1
UVC PTZ control	Support

Other Specification

Input Voltage	DC 12V /PoE (802.3af)
Input Current	1A (Max.)
Operating Temperature	-10° C ~ 40° C
Storage Temperature	-40° C ~ 60° C
Power Consumption	18W (Max.)
Net Weight	1.5kg
Dimension	145mm (W) x 76mm (D) x 78.5mm (H)

Interface Picture:

