

# B211 30X 4k Tracking AI Broadcast camera



SKU: 0200211

EAN:

## FEATURES

### ●4K60FPS

Utilizing a new generation 1/1.8-inch, 8.42 million pixels high-quality UHD CMOS sensor, it achieves output of 4K60FPS. The camera is backward compatible with various resolutions, such as 1080P and 720P. Humanoid Tracking, Equipped with in-house-developed ReID technology, the device identifies the speaker's figure, appearance, and outfit. As the speaker moves within the room, the camera automatically tracks them, ensuring the target remains centered. Even if there are interferences or the speaker exits the frame, the camera swiftly recaptures and tracks them upon reentry. Remote Control, Multiple control options, including RS232, RS485, network, and USB, for controlling the camera. Uncompressed Professional Video Output, Supports HDMI2.0 and 3G-SDI interfaces, allowing direct output of uncompressed digital video.

### ●Multiple Interfaces

In addition to the HDMI 2.0 interface, it comes with a 3G-SDI interface with an effective transmission distance of 150 meters (1080p30). HDMI, 3G-SDI, USB, and LAN can simultaneously output three HD digital signals<sup>2</sup>. Built-in Gravity, Support for automatic image flip, the camera can be installed, hanging, to meet the needs of more practical engineering projects. Support Dante AV-H1, Transmit high-quality audio and video in real-time via Ethernet, compatible with Dante products. Control and manage with Dante Controller, using network time protocol for flexible and low-latency routing. Supports NDI|HX21, Supports the network video transmission technology NDI|HX2, featuring plug-and-play, low latency, and easy deployment. It supports simultaneous transmission of audio, video, and control signals.

### ●30x Optical Zoom

The high-quality, ultra-high-resolution telephoto lens has a horizontal field of view of 59° and supports up to 30x optical zoom for clear recording at both near and far distances. Low-Light Enhancement, A brand-new CMOS image sensor with SNR of 55dB, effectively reduces image noise in low-light conditions. The 3D noise reduction significantly lowers image noise, ensuring clear images in low-light situations.



## 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
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-B1
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	720x480, 320x240 etc.
Resolution	
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	Dante AV-H, NDI@ HX2, SRT, TCP/IP, HTTP, RTSP,RTMP(s), Onvif, DHCP, GB/T 28181, Multicast, etc.

## USB SPEC

Operating System	Windows 7 (only supports UVC1.1 features), Windows 8 and above version, Mac OS X, Linux 2.4.6 and
Supported	above version, Android needs to include the version of UVC-related drivers

Color System /	YUY2 / H.264 / MJPEG / H.265
Compression	
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	UVC 1.1~1.5
Communication Protocol	
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