

B27-AI-20 4K AI Tracking PTZ Broadcast Camera



SKU: 0200127-AI-20-N EAN:

FEATURES

●4K UHD

Use a high-quality 1/1.8 inches UHD CMOS sensor with 8.42 million pixels. Use a high-quality 1/2.5 inches UHD CMOS sensor with 8.51 million pixels. Support max 4K30fps image output and multiple lower resolutions like 1080p/720p. Equipped with high quality 4K CMOS sensor and multiple interfaces, NDI@|HX2 capability, achieve an ultra low latency and high quality A/V transmission, provide high quality A/V experiences and seamless communication for end users

●Optical Zoom + Wide-angle Lens

4K optical lens, support max 20x optical zoom (40x lossless in 1080P) and 60° horizontal field of view, can cover the demand of Extra-large conferencing room and other scenarios need larger optical zoom. 4K optical lens, support max 12x optical zoom (24x lossless in 1080P) and 71° horizontal field of view, can cover the demand of Extra-large conferencing room and other scenarios need larger optical zoom. 4K optical lens, support max 12x optical zoom (24x lossless in 1080P) and 80.8° horizontal field of view, can cover the demand of Extra-large conferencing room and other scenarios need larger optical zoom.

●12x optical zoom High-quality & ultra-high resolution 4K lens, 12x optical zoom, horizontal field of view over 71°. HDMI 1.4 Support HDMI 1.4 specification, can directly output 4K uncompressed digital video. Low power consumption sleep function Supports low-power consumption sleep / wake-up function, and consumes less than 400mW in sleep mode.

●Low Illumination

The new generation high performance CMOS image sensor can significantly reduce the image noise in low illumination. With the 3D noise reduction algorithms, even in an ultra-low illumination environment, camera can still deliver a sharp and clean image with more than 55dB S/N ratio.

●Smart Exposure

Effectively solve the impact of projection, TV and other equipment on shooting people. NDI@|HX2, Support low-latency NDI@|HX2 protocol, plug to play, minimal configuration and easy for deployment. Multiple Interfaces, HDMI 1.4b, 3G-SDI (Up to 150 meters transmission with 1080P30), LAN. Support HDMI/3G-SDI, LAN streaming simultaneously



SPECIFICATION

Sensor	1/1.8 inches, CMOS, Effective Pixels: 8.42Megapixels
Lens	20x, f=6.25mm~125mm, F1.58~F3.95
Horizontal FOV	60° -3.5°
Vertical FOV	35.7° ~ 2.0°
Camera Spec	4KUltra (30fps)
Signal System	HDMI: 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;

Scanning Mode	Progressive
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
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°
I/O	
HD Output	1 x HDMI: Version 1.4b; 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 USB3.0, Type-B1 1 x USB2.0, Type-A (Support Host or Device mode)
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 etc.
Second Stream Resolution	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,GB/T 28181, Multicast, etc.
USB Spec	

Operating System Supported	Windows 7 (only supports UVC1.1 features), Windows 8 and above version, Mac OS X, Linux 2.4.6 and above version, Android needs to include the version of UVC-related drivers
Color System / Compression	YUY2 / H.264 / MJPEG /H.265
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 Protoco	
UVC PTZ Control	Support
Generic Spec	
Input Voltage	DC 12V /PoE (802.3at)
Input Current	1.5A (Max.)
Operating Temperature	0° C ~ 40° C
Storage Temperature	-40° C ~ 60° C
Power Consumption	13W (Max.)
Dimension	169mm x 142mm x 164mm
Net Weight	1.6kg