B27-AI-12 4K AI Tracking PTZ Broadcast Camera

SKU: 0200127-AI-12-N   EAN:

FEATUES

●**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 a 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 20× optical zoom(40× 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 12× optical zoom(24× 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 12× optical zoom(24× 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°. HDMI1.4 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, HDMI1.4b, 3G-SDI(Up to 150meters transmission with 1080P30), LAN.Support HDMI/3G-SDI, LAN streaming simultaneously

SPECIFICATION

Camera	B27-AI-12
Sensor	1/2.5 inches, CMOS, Effective Pixels: 8.51 Megapixels
Lens	12x, f=4.4mm~52.8mm, F1.8~F2.6
Horizontal FOV	71° ~ 8.2°
Vertical FOV	42.7° ~ 4.5
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 Communication Protoco	UVC 1.1~1.5
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