

# B27-20-N-4K PTZ Conference Camera



SKU: 0200127-20-N-4K

## FEATURES

The Edis B27-20-N-4K is a 4K Ultra-high resolution Using 1/1.8-inch UHD CMOS sensor with a maximum of 8.42 megapixels, high quality images in 4K (3840x2160) can be achieved. And downward compatible with 1080P, 720P and other resolutions. 20x optical zoom High-quality & ultra-high resolution 4K lens, 20x optical zoom, horizontal field of view over 60°. HDMI2.0 Support HDMI 2.0 specification, can directly output 4K uncompressed digital video. Low power sleep function Supports low-power sleep / wake-up function, and consumes less than 400mW in sleep mode. The ultra-high noise-to-noise ratio of the new CMOS image sensor can effectively reduce the image noise in low illumination conditions, and the 2D and 3D noise reduction algorithms can greatly reduce the image noise, even in the case of ultra- low illumination, keep the picture clean and clear. The image signal to noise ratio is as high as 55dB or more. Support HDMI2.0 HD output, and also equipped with 3G-SDI interface, the effective transmission distance up to 150 meters (1080p30). HDMI, 3G-SDI, USB3.0, LAN four channels can simultaneously output 4 channels of high-definition digital signals. A variety of control methods, RS232, RS485, network and USB can be used to control the camera. Support image auto flip function for easy installation and use. Effectively solve the impact of projector, TV and other high light equipment on shooting people.



## NETWORK FEATURES

Video Compression	H.265 / H.264 / MJPEG
Video Stream	Main Stream, Sub Stream
Main Stream	3840x2160, 1920x1080, 1280x720, 1024x576, etc.
Sub Stream	1920x1080, 1280x720, 720x576, 720x480, 320x240, etc.
Video Bit Rate	32Kbps ~ 51200Kbps
Bit Rate Type	Variable Rate, Fixed Rate
Frame Rate	50Hz: 1fps ~ 50fps, 60Hz: 1fps ~ 60fps
Audio Compression	AAC, G711
Audio Bit Rate	48Kbps, 64Kbps, 96Kbps, 128Kbps

## USB FEATURES

Operate System	Windows 7, Windows 8, Windows 10, Mac OS X, Linux, Android
Color System /	YUY2 / H.264 / MJPEG / H.265
Video Format	YUY2 : max to 1080P@30fps H.264 AVC: Max to 2160P@60fps H.264 SVC: Max to 2160P@60fps MJPEG: Max to 2160P@60fps H.265: Max to 2160@60fps
Audio on USB	Support
USB Video	UVC 1.1~1.5
Communi	Support

Support protocols	TCP/IP, HTTP, RTSP, RTMP, Onvif, DHCP, GB/T2818, Multicast, etc.
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## GENERIC SPECIFICATION

Input Voltage	DC 12V / PoE (802.3af)
Current Consumption	1.0A (Max)
Operating Temperature	-10°C ~ 40°C (14°F ~ 104°F)
Storage Temperature	-40°C ~ 60°C (-40°F ~ 140°F)
Power Consumption	12W (Max)
Size	169mm x 142mm x 164mm
Net Weight	1.35Kg (3.0lb)

## INPUT/OUTPUT INTERFACE

HD Output	1xHDMI: Version 2.0 1x3G-SDI: BNC type, 800mVp-p, 75Ω, Along to SMPTE 424M standard
Network Interface	1xRJ45: 10M/100M Ethernet Interface, POE supported
Audio Interface	1-ch: 3.5mm Audio Interface, Line In/Mic in
USB	1xUSB3.0: Type C, Up to 4K@60fps compressed video and 1080P original video
Communication Interface	1xRS232 In: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA/Pelco-D/Pelco-P 1xRS232 Out: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA network use only 1xRS485: 2pin Phoenix Port, Max Distance: 1200m
Power Jack	JEITA type (DC IN 12V)

## CAMERA

Video System	HDMI: 4K@60/50/30/25/59.94/29.97fps, 1080P@60/50/59.94/30/29.97fps, 1080I@60/50/59.94fps, 720p@60/59.94fps 3G-SDI: 1080P@60/50/30/59.94/30/29.97fps, 1080I@60/50/59.94fps, 720p@60/59.94fps
Sensor	1/1.8", CMOS, Max Effective Pixel: 8.42M
Scanning Mode	Progressive
Lens	20x, f = 6.7mm ~ 125mm, F1.58 ~ F3.95
Digital Zoom	16x
Minimal Illumination	0.5Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, Specified color temperature
Digital Noise Reduction	2D&3D Digital Noise Reduction
Video S/N	≥55dB
Horizontal Angle of	60° ~ 3.5°

Vertical Angle of View	35.7° ~ 2.0°
Horizontal Rotation	±170°
Vertical Rotation Range	±25°
Vertical Rotation Range	-30° ~ +90°
Pan Speed Range	1.7° ~ 100°/s
Tilt Speed Range	1.7° ~ 69.9°/s
H & V Flip	Support
Image Freeze	Support
PoE	Support
Face Detection	Support(optional)
Number of Preset	255
Preset Accuracy	0.1°