

B27-20 4K Ultra Video Broadcast Camera

SKU: 0200127-20 4K



FEATURES

The Edis B27-20 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. High-quality & ultra-high resolution 4K lens, 20x optical zoom, horizontal field of view over 60°. Support HDMI 2.0 specification, can directly output 4K uncompressed digital video. 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 HDMI 2.0 HD output, and also equipped with 3G-SDI interface, the effective transmission distance up to 150 meters (1080p30). HDMI, 3G-SDI, USB 3.0, 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

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, Protocol: VISCA/Pelco-D/Pelco-P
Power Jack	JEITA type (DC IN 12V)

Audio Compression	AAC, G711
Audio Bit Rate	48Kbps, 64Kbps, 96Kbps, 128Kbps
Support protocols	TCP/IP, HTTP, RTSP, RTMP, Onvif, DHCP, GB/T2818, Multicast, etc.

GENERIC SPECIFICATION

Input Voltage	DC 12V / PoE (802.3af)
Current	1.0A (Max)
Consumption	
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)

CAMERA

Scanning Mode	Scanning Mode Progressive
Sensor	1/1.8", CMOS, Max Effective Pixel: 8.42M
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
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
Backlight	Support
Digital Noise Reduction	2D&3D Digital Noise Reduction
Video S/N	≥55dB
Horizontal Angle of View	60° ~ 3.5°
Vertical Angle of View	35.7° ~ 2.0°
Horizontal Rotation	±170°
Vertical Rotation	-30° ~ +90°
Pan Speed Range	1.7° ~ 100°/s
Tilt Speed Range	1.7° ~ 69.9°/s

USB FEATURES

Operate System	Windows 7, Windows 8, Windows 10, Mac OS X, Linux, Android
Color System / Video Format	YUY2 / H.264 / MJPEG / H.265 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
Communicate	Support
Image Freeze	Support
PoE	Support
Face Detection	Support(optional)
Number of Preset	255
Preset Accuracy	0.1°
H & V Flip	Support