

C121-U 4K Auto Framing Camera

SKU: 0200121-U-4K



FEATURES

The Edis 0200121-U-4K is a 4K ultra high definition, provides up to 4K@30fps/25fps image coding output, and downwards compatibility with 1080p, 720p resolution, etc. Intelligent teaching tracking. Built-in leading image recognition and tracking algorithm, achieve smooth and natural tracking effect. Different lenses are assembled before production, so as to achieve teacher tracking or student tracking. Support U disk local storage, local recording directly without NVR. AF (Auto Focus) Lens Customized auto focus lens without distortion and viewing angle is optional 46°/84°/ 120°. At the same time, it supports EPTZ to make it more bigger and visible. (120° viewing angle does not support AF). Built-in microphone array picks up sound up to 9 meters equally from all directions. Unique noise reduction algorithm can present your voice accurately. High quality CMOS sensor and 2D/3D noise reduction can reduce image noise. The Image is still clear and sharp even in low light environment, and the SNR is high more than 55dB. Support WiFi (optional) WiFi function provides network connections in wireless environments. The cable network supports PoE, power supply, control, video and audio can be transmitted by only one network cable.



CAMERA

Model	C121-U-4k	C121-US-4k
Sensor	1/2.5", CMOS, Effective Pixel: 8.51M	1/2.5", CMOS, Effective Pixel: 8.29M
Scanning Mode	Progressive	Progressive
Lens Mount	M12	M12
Lens 1 (teacher cam)	Focus: f=7.35mm, FOV: 46°	Focus: f=2.8mm, FOV: 120°
Lens 2 (student cam)	Focus: f=3.5mm, FOV: 84°	/
Lens 3	Focus: f=2.8mm, FOV: 120°	/
Autofocus	Support (120° viewing angle does not support AF)	/
Digital zoom	8x	/
Minimal Illumination	0.5 Lux @ (F1.8, AGC ON)	0.5 Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s	1/30s ~ 1/10000s

White Balance	Auto, Indoor, Outdoor, One Push, Manual, Specified color temperature	Auto, Indoor, Outdoor, One Push, Manual
Digital Noise Reduction	2D, 3D digital noise reduction	2D, 3D digital noise reduction
Camera bracket	Optional	bracket with damper
Backlight Compensation	Support	Support
PoE	Support	/
Local Storage	Support	/
EPTZ	Support	/
Select lens 1 /2	Teacher / Student Tracking mode	/

Input/Output Interface

USB Interface	1xUSB 2.0: Type A, female	1xUSB 3.0: Type B, female
Network Interface	1xRJ45: 10M/100M/1000M Ethernet Interface, Wi-Fi (Optional)	/
Power Connector	DC005 Type (DC IN 12V)	/

General specification

Input Voltage	DC 12V / PoE (802.3af)	5V (USB power supply)
Current Consumption	0.5A (Max)	600mA(MAX)
Operating Temperature	-10°C ~ 40°C (14°F ~ 104°F)	-10°C ~ 40°C (14°F ~ 104°F)
Storage Temperature	-40°C ~ 60°C (-40°F ~ 140°F)	-40°C ~ 60°C (-40°F ~ 140°F)
Power Consumption	6W (Max)	3.0W(MAX)
Size	194mm x 34mm x 42mm (without bracket)	194mm x 34mm x 42mm (without bracket)
Net Weight	0.34kg	340G
MTBF	>30000h	30000h

C121-U-4K NETWORK FEATURES

Sensor 1/2.5", CMOS, Effective Pixel: 8.51M

Video Stream The first/ second/ third/ fourth stream

The First Stream Resolution 1920x1080, 1280x720, 1024x576, 960x540, 640x480, 640x360

C121-US-4K USB FEATURES

Operate System Windows® 7 (1080p and under only),
Windows 8.1, Windows 10 or higher

macOS™ 10.10 or higher

Google™ Chromebook™ Version
29.0.1547.70 or higher

Linux

Hardware Requirement 2.4 GHz Intel® Core 2 Duo processor or higher

2 GB RAM or more

USB 2.0 port (USB 3.0 required for 4K)

Color System / H.264 / MJPEG/YUY2/NV12

The Second Stream Resolution	3840x2160, 1920x1080, 1920x1080, 1280x720, 1024x576, 720x576(50Hz), 720x480(60Hz), 720x408, 640x360, 480x270, 320x240, 320x180
The Third Stream Resolution	1024x576, 960x540, 720x576(50Hz), 720x480(60Hz), 720x408, 640x360, 480x270,
The Fourth Stream Resolution	1024x576, 960x540, 720x576(50Hz), 720x480(60Hz), 720x408, 640x360, 480x270,
Video Bit Rate	32Kbps ~ 20480Kbps
Bit Rate Type	Variable Rate, Fixed Rate
Frame Rate	50Hz: 1fps ~ 25fps, 60Hz: 1fps ~ 30fps
Audio Compression	AAC
Audio Bit Rate	48Kbps, 64Kbps, 96Kbps, 128Kbps
Support protocols	TCP/IP, HTTP, RTSP, RTMP, Onvif, DHCP, Multicast, etc.

Video Format	4k@30fps/25fps, 1080p@30fps/25fps, 720p@30fps/25fps, 960x540p@30fps/25fps, 640x360p@30fps/25fps etc.
USB Video Communication Protocol	UVC 1.1
UVC PTZ Support(EPTZ)	