EDUCAM360-C
SPEC SHEET

The **EduCam360-C** is a classroom camera that allows educators, administrators, and security personnel to see the entire classroom in the highest quality. Capturing video at resolutions up to 4000x3000, the EduCam360-C provides clarity like never before. Bandwidth efficiency is intelligently increased for longer recordings and less storage space compared to any H.264 based compression techniques.

SPECIFICATIONS

EDUCAM360-C CAMERA	
Image Sensor	Approx. 1/2 type 12MP CMOS image sensor
Minimum Illumination	Color: 0.3 lx, BW: 0.2 lx (F1.9, Maximum shutter: Off (1/30 s), AGC: 11) Color: 0.02 lx, BW: 0.01 lx (F1.9, Maximum shutter: max. 16/30s, AGC: 11)
Maximum Shutter	Max. 16/30s to Max. 1/10000s
Wide Dynamic Range	On/Off, The level can be set in the range of 0 to 31
Dynamic Range	Max. 84 dB (Wide Dynamic Range: On, Level: 31)
Day/Night (Electrical)	Off/Auto
Video Motion Detection (VMD)	On/Off, 4 areas available

EDUCAM360-C CAMERA (continued)

Intelligent VMD (i-VMD)	Type 8 *Bundled License
Privacy Zone	On/Off, Up to 8 zones available
Camera Title (OSD)	On/Off, Up to 20 characters (alphanumeric characters, marks)
Fixing Angle Adjustment	-5°, 0°, +5°

LENS

Zoom Ratio	1x
Digital Zoom	Choose from 3 levels of x1, x2, x4
Focal Length	1.40 mm (0.06 in)
Maximum Aperture Ratio	1: 1.90
Focus Range	0.5 m (19.68 in)
Angular Field of View	Horizontal: 183° Vertical: 183°

DORI

Distance to the object in the center of the image	Detect (25 ppm/8 ppf): 98.20 ft (29.90 m) Observe (62.50 ppm/19 ppf): 39.30 ft (12.0 m) Recognize (125 ppm/38 ppf): 19.60 ft (6.0 m) Identify (250 ppm / 76 ppf): 9.80 ft (3.0 m)
Coverage radius when mounted at a height of 3 m (10 ft)	Detect (25 ppm/8 ppf): 184.20 ft (56.10 m) Observe (62.50 ppm/19 ppf): 67.60 ft (20.60 m) Recognize (125 ppm/38 ppf): 27.60 ft (8.40 m) Identify (250 ppm/76 ppf): 0.90 ft (0.30 m)

NETWORK

Network Interface	10Base-T/100Base-TX, RJ45 connector
H.265/H.264 Transmission Mode	Constant bitrate, VBR, Frame rate, Best effort
H.265/H.264 Transmission Type	Unicast port (AUTO), Unicast port (MANUAL), Multicast
Audio Compression	G.726 (ADPCM): 16 kbps, 32 kbps G.711: 64 kbps AAC-LC: 64 kbps, 96 kbps, 128 kbps
Maximum Concurrent Access Number	Up to 14 users (Depends on network conditions)
SDXC/SDHC/SD	H.265/H.264 recording: Manual REC/Alarm REC (Pre/Post)/ Schedule REC JPEG recording: Manual REC/ Alarm REC (Pre/Post)

NETWORK (continued)

Supported Protocol	IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, SMTP, DNS, NTP, SNMP, DHCPv6, RTP, MLD, ICMP, ARP, IEEE 802.1X, DiffServ IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, SMTP, DHCP, DNS, DDNS, NTP, SNMP, UPnP, IGMP, ICMP, ARP, IEEE 802.1X, DiffServ
ONVIF Profile	G/S/T

INPUT/OUTPUT

Monitor Output (For Adjustment)	VBS: 1.0V [p-p]/75, composite, 3.5 mm mini jack An NTSC or PAL signal can be outputted from camera
Audio Input For Microphone	3.5 mm stereo mini jack, Recommended applicable microphone: Plug-in power type (Sensitivity of microphone: -48 dB ±3 dB (0 dB=1 V/Pa,1 kHz)) Input impedance: Approx. 2k (unbalanced) Supply voltage: 2.5V ±0.5V Input level: Approx. -10 dBV
Built-in Microphone	Nondirectional electret condenser microphone
Audio Output	3.5 mm stereo mini jack (monaural output) Output impedance: Approx. 600 (unbalanced) Output level: -20 dBV

GENERAL

Safety	UL (UL60950-1), c-UL (CSA C22.2 No.60950-1), CE, IEC60950-1
EMC	FCC (Part15 ClassA), ICES003 ClassA, EN55032 ClassB, EN55024, EN55035
Power Source and Power Consumption	DC power supply: 12V DC 560 mA/ Approx. 6.7W PoE (IEEE802.3af compliant) Device: 48V DC 150 mA/Approx. 7.2W (Class 0 device)
Ambient Operating Temperature	14 - 122° F (-10 - 50° C)
Finish	Main body: ABS resin, i-PRO white
Weight	0.93 lbs (14.88 oz)
Dimensions	5.90 x 1.93 in (150 × 49.50 mm)

AUDIO ENHANCEMENT®