

MAXHUB Capture System

Student Camera

Model: EW30S

The EW30S Student Camera brings cutting-edge technology to the educational environment, designed to capture every detail of the classroom experience. Combining a wide range of powerful features, the EW30S ensures that both panoramic and close-up views are delivered with exceptional clarity. This dual-lens camera is the perfect tool to enhance interactive learning, foster engagement, and ensure every moment is captured in high definition.



Dual-Lens Integration

Featuring a combination of a panoramic lens and a close-up lens, it allows for comprehensive coverage of the entire classroom while also providing high-definition close-up shots.



Intelligent Tracking

Equipped with advanced image recognition and tracking algorithms, it seamlessly tracks subjects without the need for auxiliary positioning cameras or tracking hosts.



Micro Gimbal Design

± 45° horizontal rotation with auto-focus for clear images, complemented by electronic gimbal for enhanced views.



Ultra-Clear Close-Ups

High-resolution close-up lens with 8MP for educators and 42° student lens for crystal-clear images.

Close-up Camera

Sensor Type	1/2.7 inch, CMOS, 8.31 million pixels
Scanning Method	Progressive
Mount Type	M12
Lens Focal Length	f = 7.2 mm
Zoom	3x digital zoom
Minimum Illumination	0.5 Lux @ (F2.2, AGC ON)
Electronic Shutter	1/30 s ~ 1/10000 s
White Balance	Auto, indoor, outdoor, one-touch, manual, specified color temperature
Digital Noise Reduction	2D, 3D digital noise reduction
Signal to Noise Ratio	≥ 55 dB
FOV	HFOV: 42°
Rotation Range	Horizontal: ± 45° Vertical: +5° ~ -30°
Rotation Speed Range	Horizontal: 60°/s Vertical: 30°/s
Horizontal & Vertical Flip	Supported
Feature	Backlight Compensation Image Freeze
Preset Positions	255
Preset Accuracy	0.2°

Panoramic Camera

Sensor Type	1/2.7 inch, CMOS, 4.68 million pixels
Scanning Method	Progressive
Mount Type	M12
Lens Focal Length	f = 2.2 mm
Minimum Illumination	0.5 Lux @ (F2.2, AGC ON)
Electronic Shutter	1/30 s ~ 1/10000 s
White Balance	Auto, indoor, outdoor, one-touch, manual, specified color temperature
Digital Noise Reduction	2D, 3D digital noise reduction
Signal to Noise Ratio	≥ 55 dB
FOV	HFOV: 110°
Horizontal & Vertical Flip	Supported
Feature	Backlight Compensation Image Freeze



USB Features

Supported Operating Systems	Windows: Windows® 7 (supports 1080p and below), Windows 8.1, Windows 10 and above macOS: macOS™ 10.10 or above Google Chromebook: Version 29.0.1547.70 or above Linux: Requires UVC support
Hardware Requirements	2.4 GHz Intel® Core 2 Duo processor or higher 2 GB of RAM or higher USB 3.0 or USB 2.0 port
Color Space	YUY2 / MJPEG / H.264
Video Format	Various frame rates and resolution, 4K maximum
USB Audio	Supported
USB Video Communication Protocol	Supports UAC1.0, 48K sampling rate maximum
UVC PTZ Control	Supported

Network Features

Video Coding Standard	H.264/ H.265/ MJPEG
Video Stream	First, Second, Third, Fourth Stream
Close-up Camera Main Stream Resolutions	3840 × 2160, 1920 × 1080, 1280 × 720, 1024 × 576, 960 × 540, 640 × 480, 640 × 360, 320 × 240, 320 × 180
Panoramic Camera Main Stream Resolutions	2880 × 1620, 1920 × 1080, 1920 × 1080, 1280 × 720, 1024 × 576, 720 × 576 (50Hz), 720 × 480 (60Hz), 720 × 408, 640 × 360, 480 × 270
Close-up Camera Sub Stream Resolutions	1920 × 1080, 1280 × 720, 1024 × 576, 960 × 540, 720 × 576 (50Hz), 720 × 480 (60Hz), 720 × 408, 640 × 360, 480 × 270, 320 × 240, 320 × 180
Panoramic Camera Sub Stream Resolutions	1920 × 1080, 1280 × 720, 1024 × 576, 960 × 540, 720 × 576 (50Hz), 720 × 480 (60Hz), 720 × 408, 640 × 360, 480 × 270, 320 × 240, 320 × 180
Video Bitrate	32 Kbps ~ 16384 Kbps
Bitrate Control	Variable Bitrate, Fixed Bitrate
Frame Rate	25/ 30 fps (default is 25fps)
Audio Compression Standard	AAC, G711A
Audio Bitrate	96 Kbps, 128 Kbps, 256 Kbps
Protocol Support	TCP/ IP, HTTP, RTSP, RTMP/ RTMPS, Onvif, DHCP, Multicast, GB28181

I/O Port

USB-C ×1	USB 3.0
RJ45 ×1	10M/ 100M adaptive ethernet port, PoE supported (802.3af)
Line IN ×1	3.5 mm audio interface
Power Port ×1	DC005 type (DC In 12V)
Button ×1	Reset button



Electrical Parameters

Input Voltage	DC 12V/ PoE (802.3af)
Input Current	1.0A (max)
Power Consumption	12W (max)

Physical Parameters

Product Dimension (W × D × H)	248 × 85 × 66 mm
Shipping Dimension (L × W × H)	1 pc: 296 × 155 × 110 mm 4 pcs: 462 × 330 × 310 mm
Net Weight	0.52 Kg
Gross Weight	1 pc: 1.16 Kg 4 pcs: 10 Kg
MTBF	> 30000 hours

Accessories

Wall Mount Bracket	x1
Bracket Installation Parts	x1
Quick Start Guide	x1

Environmental Conditions

Operating Temperature	-10°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Operating Humidity	10% ~ 90% RH
Storage Humidity	10% ~ 90% RH
Altitude	Below 5000 meters

Statement

Size and weight vary by configuration and manufacturing process, please refer to the actual product.

The product images are for illustrative purposes only and may slightly differ in appearance, colour, size, etc. from the actual product.

The description, illustrations, etc. in this document may subject to change in accordance with the latest product specification and performance.

Should the above-mentioned change in the document become necessary, the document may be updated without written notice.



MAXHUB

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