MAXHUB Portable Capture System

Wireless PTZ Camera

Model: EP50

Introducing the EP50 Wireless PTZ Camera, the pinnacle of portability and performance for capturing high-quality, long-distance footage. Perfect for live events, educational sessions, corporate meetings, and more, the EP50 combines advanced features with seamless ease-of-use, making it the ideal portable capture system.



40x Hybrid Zoom

With an impressive 40x hybrid zoom, the EP50 lets you capture every detail, even from a distance.

Long-lasting Battery Life

The built-in 4700mAh battery provides up to 6 hours of continuous filming, ensuring you stay powered throughout your event without any interruptions.

Intelligent Presenter Tracking

With intelligent presenter tracking, the EP50 automatically follows the speaker, ensuring they're always in frame. Simply click to select your target, and let the camera do the rest.

Built-in Microphone

The integrated array microphone picks up clear, crisp sound within a 5-meter range, guaranteeing excellent audio quality for your recordings.

Camera	
Sensor Type	1/2.8 inch, CMOS, 8.42 million pixels
Scanning Method	Progressive
Lens Focal Length	f = 6.25 mm ~ 125 mm, F1.58 ~ F3.95
Auto Focus	Supports
Zoom	40x hybrid zoom, 20x optical zoom
Minimum Illumination	0.5 Lux @ (F1.8, AGC ON)
Electronic Shutter	1/30s ~ 1/10000s
White Balance	Auto, indoor, outdoor, one-touch, manual, specified color temperature
Digital Noise Reduction	2D, 3D digital noise reduction
Signal to Noise Ratio	≥ 55dB
FOV	HFOV: 60° ~ 3.5° VFOV: 35.7° ~ 2.0°
Rotation Range	Horizontal: ± 170° Vertical: -30°~ +90°
Rotation Speed Range	Horizontal: 2.7° ~ 35.7°/s Vertical: 2.7° ~ 31.5°/s
Horizontal & Vertical Flip	Supported
Feature	Auto ICR (Auto IR Cut Filter) Backlight Compensation Low Light Mode Image Freeze
Preset Positions	255
Preset Accuracy	0.1°

USB Features	
Supported Operating Systems	Windows 7, Windows 8, Windows 10, Windows 11, Mac OS X, Linux, Android
Color Space	YUY2 / MJPEG / H.264
Video Format	YUY2 (Real-time mode): 2560 × 1440@30fps MJPEG: 3840 × 2160@30fps H.264 AVC: 3840 × 2160@30fps
USB Audio	Supported
USB Video Communication Protocol	UVC 1.1
UVC PTZ Control	Supported

Network Features	
Video Coding Standard	H.264/ H.265/ MJPEG
Video Stream	First, Second Stream
First Stream Resolution	3840 × 2160, 1920 × 1080, 1280 × 720, 1024 × 576, 960 × 540, 640 × 480, 640 × 360
Second Stream Resolution	1920 × 1080, 1280 × 720, 1024 × 576, 720 × 576, 720 × 480, 720 × 408, 640 × 360, 480 × 270, 320 × 240, 320 × 180
Video Bitrate	32 Kbps ~ 102400 Kbps
Bitrate Control	Variable Bitrate, Fixed Bitrate
Frame Rate	50Hz: 1 fps ~ 25 fps, 60Hz: 1 fps ~ 30 fps
Audio Compression Standard	AAC
Audio Bitrate	96 Kbps, 128 Kbps, 256 Kbps
Protocol Support	TCP/IP, HTTP, RTSP, RTMP, ONVIF, DHCP, UDP, etc.

I/O Port	
USB Type-C ×1	USB 3.0
HDMI Out ×1	HDMI 1.4b
RJ45 ×1	10M/ 100M adaptive ethernet port
Line In ×1	3.5 mm audio interface
RS485 ×1	3-pin Phoenix connector, maximum distance: 1200 meters, VISCA/Pelco-D/Pelco-P protocol
Power Port ×1	JEITA type (DC In 12V)
Button ×2	Reset button, Power button

Electrical Parameters	
Input Voltage	DC 12V
Input Current	3.0A
Battery	9480 mAH (typ.)
Power Consumption	12W (max)

Physical Parameters	
Product Dimension (W × D × H)	295 × 245 × 254 mm
Shipping Dimension (L × W × H)	1 pc: 295 × 245 × 254 mm 4 pcs: 615 × 515 × 273 mm
Net Weight	1.9 Kg
Gross Weight	1 pc: 2.94 Kg 4 pcs: 13.24 Kg

Accessories	
Power Adapter	×1
Power Cable	×1
Quick Start Guide	×1

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.

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