

MCP-30U MeetCam Pro

4K60 Conference PTZ Camera



DESCRIPTION

The Aniston MeetCam Pro (MCP-30U) is a next-generation, professional PTZ camera designed for video conferencing, lecture capture, broadcasting, and hybrid learning environments. Powered by a 1/1.8" UHD CMOS sensor and advanced AI-driven technologies, it delivers true 4K Ultra HD at 60fps with an impressive 30× optical zoom for crystal-clear visuals across large venues.

Engineered with multi-protocol outputs including HDMI 2.0, 3G-SDI, USB 3.0, and LAN/IP, the MCP-30U ensures seamless integration across AV and UC ecosystems, supporting corporate boardrooms, classrooms, auditoriums, and live broadcasting studios.

With AI smart tracking, auto-framing, facial recognition, and gesture control, the MeetCam Pro intelligently follows presenters, adapts framing dynamically, and supports up to 255 presets via RS232/RS485/IP control.

FEATURES

- **Ultra HD 4K60 Video Output**

Equipped with a high-performance 1/1.8" UHD CMOS sensor, the MCP-30U delivers native 4K resolution at 60fps, ensuring lifelike detail and cinematic clarity for professional environments.

- **30× Optical Zoom with 16× Digital Zoom**

Powerful 30× optical zoom lens ensures sharp capture from wide-angle coverage to distant close-ups, supported by an additional 16× digital zoom for precision framing.

- **Exceptional Low-Light Performance**

Advanced 3D Digital Noise Reduction (DNR) and an SNR ≥55dB deliver clean, detailed images even at 0.5 lux, making it ideal for auditoriums and dimly lit venues.

- **Multiple Video Output Interfaces**

Supports simultaneous HDMI 2.0, 3G-SDI, USB 3.0, and IP streaming, enabling flexible connectivity across conferencing, streaming, and broadcasting platforms.

- **AI Smart Tracking & Auto-Framing**

Intelligent AI algorithms recognize faces and presenters, dynamically adjusting pan, tilt, and zoom to follow subjects naturally during meetings, lectures, and events.

- **Gesture Control Functionality**

Built-in gesture recognition allows presenters to control zoom, tracking, and framing with simple hand gestures — eliminating the need for remotes.

- **Seamless IP Streaming & Control**

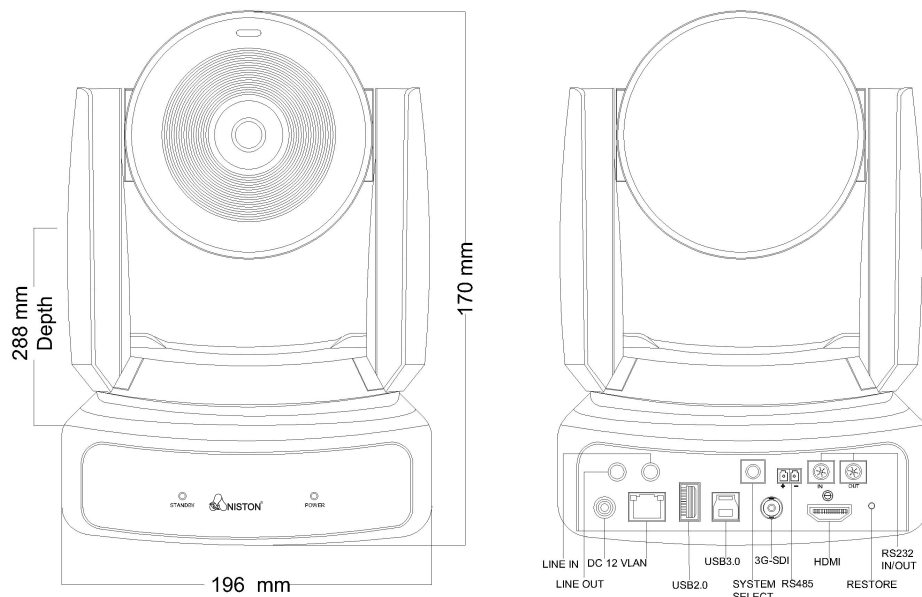
Compatible with major streaming protocols including RTMP, RTSP, SRT, ONVIF, Multicast, and NDI®|HX2 (optional) for enterprise-grade network integration.

TECHNICAL SPECIFICATIONS

Model	MCP-30U
Series	MeetCam Pro
Image Sensor	1/1.8" UHD CMOS, 8.42MP
Scanning Mode	Progressive
Lens	30× Optical Zoom (f=7.1–210mm, F1.61–F5.19)
Digital Zoom	>16×
Min. Illumination	0.5 lux (F1.8, AGC ON)
Optical Zoom	20X (f=5.2mm – 104mm, F1.55–F3.13)
Digital Zoom	16X Digital Zoom
Minimum Illumination	0.1 Lux (color), 0.05 Lux with DNR (30fps, F1.6)
S/N Ratio	≥55dB
Shutter Speed	1/30s ~ 1/10000s
Aperture	F1.61 ~ F5.19
White Balance	Auto / Indoor / Outdoor / One-Push / Manual / VAR
Exposure Modes	Auto / Manual / Shutter Priority / Brightness / DRC
Backlight Compensation	Supported
Digital Noise Reduction	2D + 3D DNR
WDR (Wide Dynamic Range)	Supported
Horizontal FOV	59.2° ~ 2.5°
Vertical FOV	34.6° ~ 1.4°
Pan Range	±170°
Tilt Range	–30° ~ +90°
Pan Speed	1.7°/s ~ 100°/s
Tilt Speed	1.7°/s ~ 69.9°/s
Preset Positions	255 (0.1° accuracy)
Image Flip	Supported (Gravity sensor)
Image Freeze	Supported
Max Video Output (HDMI)	4Kp60 / 50 / 30 / 25 / 29.97; 1080p/i; 720p
Max Video Output (SDI)	1080p/i up to 60fps
USB Video Formats	YUY2 / H.264 / H.265 / MJPEG
USB Resolutions	4Kp30 (H.264/H.265/MJPEG), 1080p30 (YUY2)
Network Streams	Dual stream (Main + Sub)
Main Stream Resolutions	3840×2160, 1920×1080, 1280×720
Sub Stream Resolutions	720×480, 640×360, 320×240
Bitrate Control	CBR / VBR
Bitrate Range	32kbps ~ 51200kbps
Frame Rates	1fps ~ 60fps

Interfaces	HDMI 2.0, 3G-SDI, USB 3.0 (Type-B), USB 2.0 (Type-A), RJ45 LAN, RS232 (In/Out), RS485
Protocols	RTMP, RTSP, SRT, ONVIF, HTTP, TCP/IP, DHCP, Multicast, NDI®
Control Protocols	VISCA / Pelco-D / Pelco-P
UVC PTZ Control	Supported (UVC 1.1 ~ 1.5)
Power Input	DC 12V / PoE+ (802.3at)
Power Consumption	Max 18W
Operating Temperature	0°C to 40°C
Storage Temperature	-40°C ~ 60°C
Dimensions (W×D×H)	170 × 196 × 228 mm
Weight	~2.0kg
Mounting Options	Standard tripod / wall / ceiling mount
Included Accessories	DC adapter, HDMI cable, USB cable, RS232 cable, IR remote, User manual
Compliance	CE, FCC, RoHS, BIS Certified.
Limited Warranty	3 years (optional extension to 5 years)

PRODUCT DIMENSION



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