MCP-25U MeetCam Pro
Conference PTZ Camera

DESCRIPTION

The Aniston MeetCam Pro (MCP-25U) is a high-performance, professional-grade PTZ camera tailored for video conferencing, lecture capture, and broadcasting applications. Engineered for seamless integration across AV and UC platforms, it combines cutting-edge AI-driven auto-tracking with crystal-clear 4K60 resolution and 25X optical zoom.

Designed around a SONY 1/1.8″ CMOS sensor, it delivers stunning Ultra HD visuals even in low-light conditions (0.1 lux). The camera supports multi-protocol outputs including USB 3.0, HDMI, LAN, and 3G-SDI, making it a versatile choice for hybrid rooms, boardrooms, classrooms, and auditoriums.

With support for gesture control, auto-framing, and AI-based facial tracking, MeetCam Pro intelligently follows presenters, adjusts zoom dynamically, and supports up to 255 presets via RS232/422 or IP control.

It's not just a camera—it's your next-gen AV companion for modern communication environments.

FEATURES

- **Ultra HD 4K60 Video Output**
  Equipped with a high-quality SONY 1/1.8″ CMOS sensor, the camera delivers crystal-clear 4K resolution at up to 60 frames per second.
  Ideal for professional conferencing, broadcasting, and recording applications requiring superior visual fidelity.

- **25X Optical Zoom with 16X Digital Zoom**
  Integrated 25X optical zoom lens ensures sharp image capture across large rooms, auditoriums, and lecture spaces.
  Supports ultra-smooth zoom transitions with an additional 16X digital zoom for fine framing.

- **Excellent Low-Light Performance**
  Advanced 2D and 3D Digital Noise Reduction (DNR) minimizes image grain in dim environments.
  Achieves a minimum illumination of 0.1 lux, with an exceptional S/N ratio ≥ 50dB, ensuring detailed images in low-light conditions.

- **C Multiple Video Output Interfaces**
  Supports simultaneous video transmission via USB 3.0, HDMI 2.0, 3G-SDI, and RJ45 (IP).
  Enables flexible integration across AV, streaming, and video conferencing systems.

- **IP Streaming and Control**
  Supports mainstream network protocols: RTMP, RTSP, SRT, ONVIF, DHCP, TCP/IP.
  Optional NDI|HX2 / HX3 support for advanced IP-based workflows.

- **AI-Based Auto Tracking & Framing**
  Built-in intelligent facial and human detection algorithms for presenter tracking and automatic scene framing.
  Dynamically adjusts PTZ movement to follow subjects during meetings, lectures, and events.

- **Gesture Control Functionality**
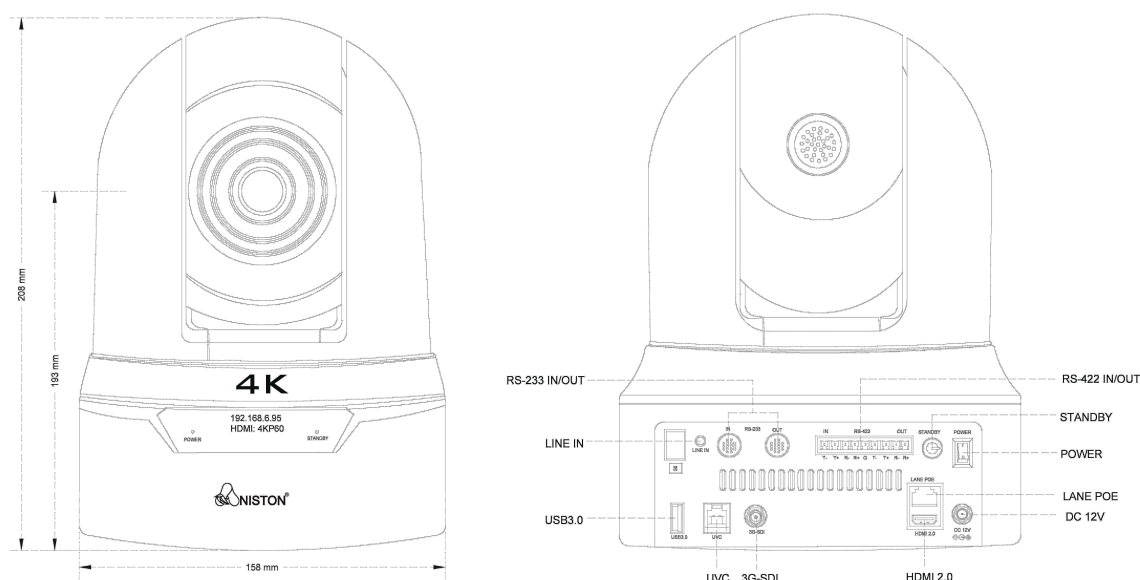 Recognizes predefined hand gestures to control tracking, zoom, and framing functions—no remote required.
  Enhances user experience during live events or remote presentations.

TECHNICAL SPECIFICATIONS

Model	MCP-25U
Series	MeetCam Pro
Image Sensor	1/1.8" SONY CMOS, 8.29 Effective Megapixels
Video Output	HDMI 2.0 / USB 3.0 / 3G-SDI / Ethernet (LAN/IP Streaming)
Max Output Resolutions	HDMI: 3840x2160@60fps; SDI: 1080p@60fps; USB: 3840x2160@30fps
Video Formats	>4K: 59.94 / 50 / 30 / 29.97 / 25fps, 1080p: 59.94 / 50 / 30 / 25fps, 720p: 60/50fps
Optical Zoom	25X Optical Zoom (f = 4.8mm ~ 120mm, F1.6 ~ F3.5)
Digital Zoom	16X Digital Zoom
Minimum Illumination	0.1 Lux (color), 0.05 Lux with DNR (30fps, F1.6)
S/N Ratio	≥ 50 dB
Shutter Speed	1/50s to 1/10,000s
Aperture	F1.6 ~ F3.5
Focus System	Auto / Manual
White Balance	Auto / Indoor / Outdoor / One-push / Manual
Exposure Modes	Auto / Manual / Shutter Priority / Brightness Priority
Backlight Compensation	Supported
Digital Noise Reduction	2D + 3D DNR (configurable)
Wide Dynamic Range (WDR)	Supported
Viewing Angle (H/V/D)	H: 59.2° ~ 2.5° / V: 34.6° ~ 1.4° / D: 65° typical
Pan Range	-171° to +171°
Tilt Range	-30° to +90°
Pan Speed	0.1°/s to 120°/s
Tilt Speed	0.1°/s to 120°/s
Preset Positions	255 presets (via IP/Serial), 9 presets (IR remote)
Preset Accuracy	±0.1°
Image Flip	Supported (H/V Flip)
Tally Light	Yes
AI Functions	Human Detection, Auto Tracking, Auto Framing, Gesture Recognition
Gesture Control	Yes (Zoom In/Out, Auto Tracking Toggle, Preset Recall)
Video Compression	H.264 / H.265 / YUY2 / MJPEG
Audio Input	1x Line In (3.5mm Jack)
Audio Compression	AAC / G.711
IP Protocols	RTMP / RTSP / SRT / Onvif / DHCP / Free D / HTTP
NDI Support	Optional NDI
Control Protocols	VISCA / VISCA over IP / PELCO-D / PELCO-P / ONVIF / UVC 1.1
Control Interface	RS232 / RS422 / USB / Ethernet / IR Remote
Web Interface	Yes (Web GUI over LAN)

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PoE Support	PoE+ (IEEE802.3at)
Power Input	DC 12V ±20% (Max current 1.3A)
Power Consumption	Max 15.6W (PoE+ or DC adapter)
Operating Temperature	0°C to 40°C
Storage Temperature	-10°C to 60°C
Dimensions (W×D×H)	158mm × 193mm × 208mm
Weight	Approx. 2.0 kg
Mounting Options	Standard Tripod Mount, Wall/Ceiling Bracket (Optional)
Included Accessories	DC 12V Power Adapter, IR Remote, HDMI Cable, USB Cable, RS-232 Cable, User Manual

PRODUCT DIMENSION

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