



MCP-12W MeetCam Pro

Conference PTZ Camera

DESCRIPTION

The Aniston MCP-12W MeetCam Pro is a next-generation 4K60 PTZ camera engineered for high-performance conferencing, broadcasting, lecture capture, and immersive AV applications. Featuring a cutting-edge 1/2.5" CMOS sensor with ultra-fast 60fps 4K video output, it delivers smooth, ultra-detailed visuals even in dynamic environments such as live events, auditoriums, and large conference spaces.

Optimized for wide-area coverage, the camera integrates a precision 12X optical zoom lens with a wide 80.5° field of view, making it ideal for larger rooms without sacrificing framing accuracy. With support for Free-D protocol, it seamlessly integrates into AR/VR broadcast workflows and tracking-based systems.

The MCP-12W supports simultaneous video output via HDMI, USB 3.0, 3G-SDI, and LAN/IP, and offers flexible control via VISCA over IP, RS232/RS422, or web GUI.

FEATURES

- **True 4K60 Ultra HD Output**

Equipped with a next-gen SONY 1/2.5" CMOS sensor, the MCP-12W delivers ultra-smooth 4K video at 60 frames per second—ideal for live broadcasting, high-speed motion capture, and premium conferencing.

- **Supports Free-D for AR/VR Tracking**

Integrated Free-D protocol allows real-time positional data streaming for use with virtual studio systems, AR tracking platforms, and professional broadcast workflows.

- **AI-Based Tracking, Framing & Gesture Control**

Built-in AI engine enables human detection, face recognition, automatic framing, and gesture recognition. Presenters can zoom, track, and recall presets using simple hand gestures—no remote required.

- **Multi-Protocol, Multi-Interface Output**

Simultaneous streaming via HDMI 2.0, 3G-SDI, USB 3.0, and IP. Compatible with most AV switchers, video conferencing systems, and streaming encoders.

- **PoE & Tally Integration**

Simplifies installation via PoE (802.3af) for power and network in one cable. Tally light supports visual cueing in live production environments.

- **Superior Low-Light Imaging**

Captures vibrant images in challenging lighting with 0.1 lux minimum illumination and advanced 2D+3D digital noise reduction. S/N ratio exceeds 50dB for crystal-clear detail.

- **Flexible PTZ Mechanism**

Pan range of 355°, tilt range of -30° to +90°, and 255 programmable preset positions ensure full-room coverage and automation-ready precision.

- **Smart Control & Compatibility**

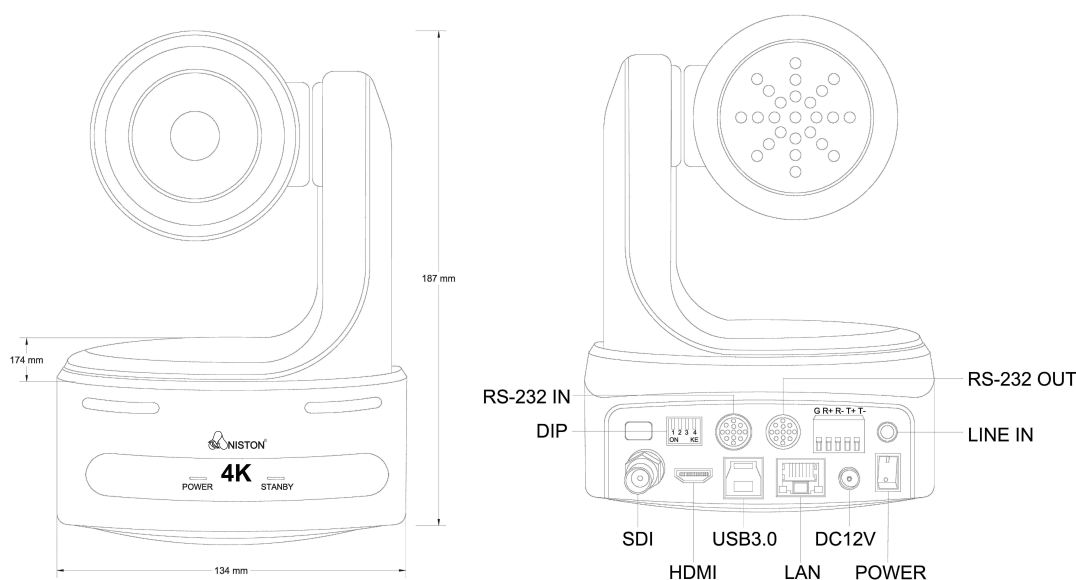
Supports control via VISCA over IP, RS232/RS422, IR remote, or web GUI. Compatible with Windows, macOS, Linux, and major UC platforms.

TECHNICAL SPECIFICATIONS

Model	MCP-12W
Series	MeetCam Pro
Image Sensor	1/2.5" SONY CMOS
Effective Pixels	8.29 Megapixels
Video Output Interfaces	HDMI 2.0 / USB 3.0 / 3G-SDI / Ethernet (LAN/IP Streaming)
Maximum Output Resolutions	>HDMI: 3840×2160@60fps, SDI: 1080p@60fps, USB: 3840×2160@30fps
Supported Video Formats	4K: 60/59.94/50/30/25/29.97 fps; 1080p: 60/59.94/50/30/25/29.97 fps, 720p: 60/50 fps
Optical Zoom	12X (f=3.4mm-40.4mm, F1.8-F3.6)
Digital Zoom	16X Digital Zoom
Minimum Illumination	0.1 Lux (F1.8, AGC ON)
S/N Ratio	≥50 dB
Shutter Speed	1/50s to 1/10000s
Aperture	F1.8 – F3.6
Focus Mode	Auto / Manual
White Balance Modes	Auto / Indoor / Outdoor / Keying / Auto Tracking
Exposure Modes	Auto / Manual / Iris Priority / 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: 58.7° – 3.2° / V: 32.2° – 1.8° / D: ~65° typical
Pan Range	355°
Tilt Range	-30° to +90°
Pan Speed	1° to 80°/s
Tilt Speed	1° to 60°/s
Preset Positions	255 presets (via IP/Serial), 9 presets (IR remote)
Preset Accuracy	±0.1°
Flip / Mirror Image	Supported (H/V Flip)
Tally Light	Yes (Front Red LED Indicator)
AI Tracking Features	Intelligent Tracking, Auto Framing, Gesture Recognition
Gesture Control	Yes (Zoom, Tracking Toggle, Preset Recall)
Video Compression (LAN)	H.264 / H.265
Video Compression (USB)	MJPEG, YUY2
USB Protocol	UVC 1.1, UAC 1.0
USB Compatibility	Windows 7+, MacOS, Linux, Android
USB Output Resolutions	MJPEG: up to 3840×2160 / YUY2: up to 1920×1080
USB Frame Rate	Max. 60fps (depends on resolution)
Network Protocols	TCP/IP, HTTP, RTSP, RTMP, RTMPS, SRT, Onvif, DHCP
USB Interface	1x USB 3.0, Type-B
LAN Interface	1x RJ45 (1000M adaptive Ethernet)
Power Input	DC 12V ±10%

Free-D Protocol	Supported
Control Protocols	VISCA / VISCA over IP / PELCO-D / PELCO-P / ONVIF / UVC 1.1
Control Interfaces	RS232 / RS422 / IP / IR / USB
Audio Input	1x Line-in (3.5mm stereo jack)
Audio Compression	AAC
Audio Bitrate	48KHz / 44.1KHz
HDMI Interface	1x HDMI 2.0
SDI Interface	1x 3G-SDI
Dimensions (W×D×H)	134mm × 174mm × 187mm
Weight	Approx. 1.2 kg
Color Options	Black / White (Optional)
Included Accessories	DC 12V Adapter, IR Remote, USB Cable, RS232 Cable, Ceiling Bracket, Wall Bracket
Compliance	CE, FCC, RoHS, BIS Certified.
Limited Warranty	3 years (optional extension to 5 years)

PRODUCT DIMENSION



HQ Asia

asia@anistonav.com
anistonav.com

Europe

europe@anistonav.com
anistonav.com/europe

United States

unitedstates@anistonav.com
anistonav.com/us/

Middle East

uae@anistonav.com
anistonav.com/uae



ANISTON TECHNOLOGIES LLP

anistonav.com

E-mail: info@anistonav.com

All information copyright Aniston Technologies LLP, 2024. Aniston Technologies LLP reserves the right to change this document without notice.