

MCP-HD20 MeetCam Pro

Conference PTZ Camera



DESCRIPTION

The Aniston MCP-HD20 MeetCam Pro is a professional Full HD PTZ camera engineered for high-performance video conferencing, live streaming, and broadcasting applications. Designed to deliver uncompromised image quality and smooth motion capture, it features a high-grade SONY 1/2.8" CMOS sensor with up to 1080p60 output, ensuring fluid and vibrant visuals for both live and recorded content.

Equipped with a 20X optical zoom lens and 16X digital zoom, this model is ideal for medium to large-sized rooms, training environments, and auditoriums. With a horizontal field of view of 58.7°, it enables precise subject framing without distortion, even from a distance.

The MCP-HD20 supports simultaneous output via HDMI, USB 3.0, 3G-SDI, and LAN/IP, making it compatible with a wide range of conferencing platforms, AV systems, and streaming workflows. It also supports NDI®|HX2 (optional) for efficient IP-based integration into broadcast environments.

FEATURES

- **Full HD 1080p60 Video Output**

Equipped with a high-performance SONY 1/2.8" CMOS sensor, the MCP-HD20 delivers crystal-clear 1080p resolution at up to 60 frames per second, ensuring smooth and vibrant video in real-time.

- **20X Optical Zoom with 16X Digital Zoom**

Capture precise details even in large rooms and lecture halls with a 20x optical zoom lens. The integrated 16x digital zoom allows additional flexibility for tight framing and remote speaker tracking.

- **AI-Based Auto Tracking & Auto Framing**

Built-in AI engine automatically tracks human faces or body movements and adjusts framing in real-time. Ideal for hybrid classrooms, online training, or live presentations.

- **Gesture Recognition Control**

Recognize hand gestures for activating/deactivating tracking, zooming in/out, and recalling preset positions —offering intuitive control without physical remotes.

- **Multi-Output Video Interfaces**

Supports simultaneous output via HDMI, 3G-SDI, USB 3.0, and LAN. Compatible with major video conferencing platforms, streaming systems, and AV switchers.

- **Superior Low-Light Performance**

With a minimum illumination of 0.1 Lux and advanced 2D+3D digital noise reduction, the camera delivers high-quality video even in low-light conditions.

- **Versatile Network Streaming Protocols**

Supports RTSP, RTMP, SRT, ONVIF, HTTP, and Free-D protocols for real-time IP streaming and control. Enables flexible integration into existing IP systems.

- **Robust PTZ Mechanism**

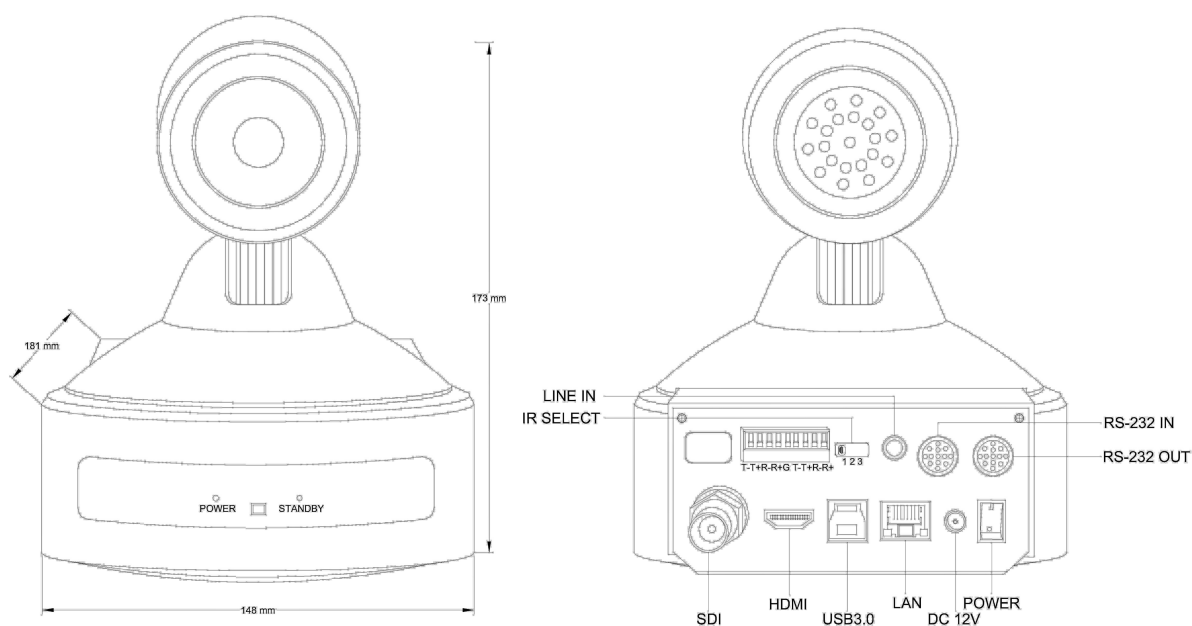
Pan range of 355°, tilt range of -30° to +90°, and fast, silent motors enable smooth, precise camera movement with up to 200 preset positions.

TECHNICAL SPECIFICATIONS

Model	MCP-HD20
Series	MeetCam Pro
Image Sensor	1/2.8" SONY CMOS
Effective Pixels	2.07 Megapixels
Video Output Interfaces	HDMI 1.4 / USB 3.0 / 3G-SDI / LAN (IP Streaming)
Maximum Output Resolutions	>HDMI: 1920×1080@60fps, SDI: 1920×1080@60fps, USB: 1920×1080@30fps
Supported Video Formats	1080p: 60/59.94/50/30/29.97/25 fps; 720p: 60/50 fps
Optical Zoom	20X (f=5.2mm – 104mm, F1.55 – F3.13)
Digital Zoom	16X Digital Zoom
Minimum Illumination	0.1 Lux (F1.8, AGC ON)
S/N Ratio	≥ 55 dB
Shutter Speed	1/50s to 1/10000s
Aperture	F1.55 – F3.13
Focus Mode	Auto / Manual
White Balance Modes	Auto / Indoor / Outdoor / Keying / Auto Tracking / Manual
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	200 (via RS232/RS422), 9 (via IR Remote)
Preset Accuracy	±0.1°
Flip / Mirror Image	Supported (H/V Flip)
Tally Light	Yes (Front Red LED Indicator)
AI Tracking Features	Auto Tracking, Auto Framing, Gesture Recognition, Tracking Sensitivity, AI Guard Position
Gesture Control	Zoom In/Out, 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	Up to 30 fps
Network Protocols	TCP/IP, HTTP, RTSP, RTMP, RTMPS, SRT, ONVIF, DHCP, VISCA over IP, Free-D
Control Protocols	VISCA / VISCA over IP / PELCO-D / PELCO-P / ONVIF / UVC
Control Interfaces	RS232 (Mini-DIN), RS422/485 (Phoenix), IP, IR, USB
Audio Input	1x Line-in (3.5mm stereo jack)

Audio Compression	AAC
Audio Bitrate	128 kbps
HDMI Interface	1x HDMI (Version 1.4)
SDI Interface	1x 3G-SDI
USB Interface	1x USB 3.0, Type-B Socket
LAN Interface	1x RJ45 (10M/100M adaptive Ethernet port)
Power Input	DC 12V \pm 10%
Input Current	Max. 1.5A
Dimensions (W×D×H)	148mm × 181mm × 173mm
Weight	Approx. 1.0 kg
Color Options	Silver Gray
Included Accessories	DC 12V Adapter, IR Remote, USB 3.0 Cable, RS232 Cable, User Manual, Ceiling Bracket

PRODUCT DIMENSION



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