NISTON®

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.

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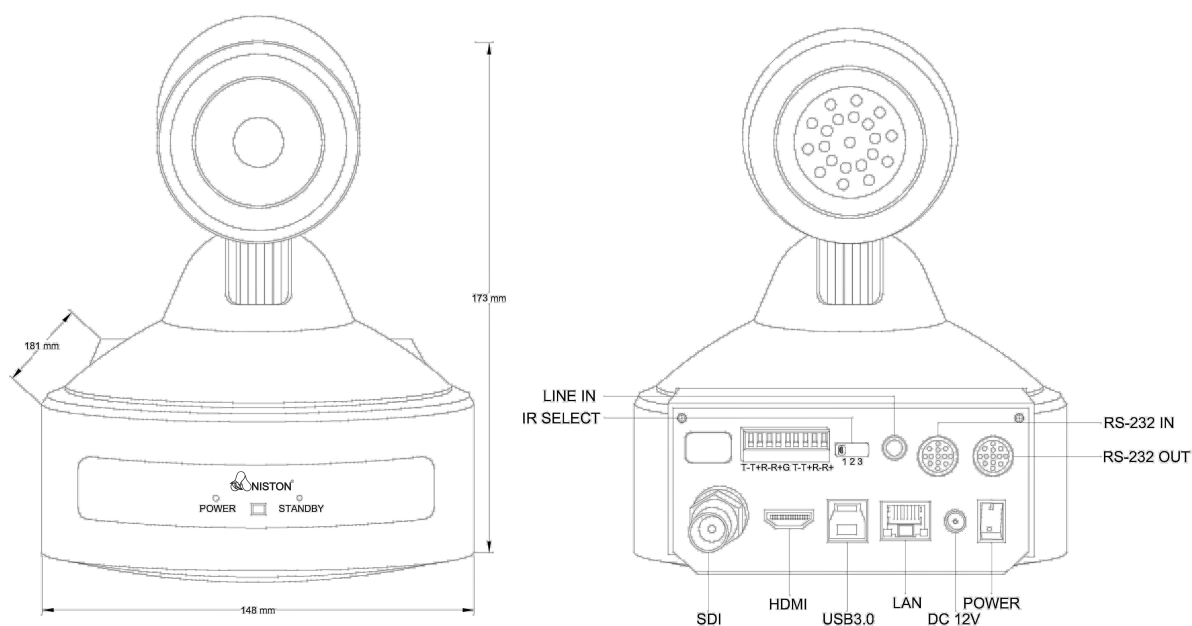
- **Robust PTZ Mechanism**
  Pan range of 355°, tilt range of -30° to +90°, and fast, silent motors enable smooth, precise camera movement with up to 200 preset positions.

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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 ±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
Compliance	CE, FCC, RoHS, BIS Certified
Limited Warranty	3 years (optional extension to 5 years)

PRODUCT DIMENSION

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