MD120UI

Medical Grade PTZ Camera

20X 4K Camera for Patient Monitoring

4K ULTRA**HD**

IEC

TAA NDAA COMPLIANT

AVerCare

Pro AV Guarantee
24 Hour | 3 Year
Replacement | Warranty

The Camera For Smart Patient Monitoring

The AVer MD120UI is the groundbreaking PTZ camera specifically designed for patient monitoring. Powered by advanced AI technologies, monitoring patients has never been easier, allowing healthcare providers to stay attentive to patient needs at scale. Featuring 20X optical zoom & 4K imaging capabilities along with IR night view function provide crystal-clear visual 24-hour patient monitoring with no blind spots.

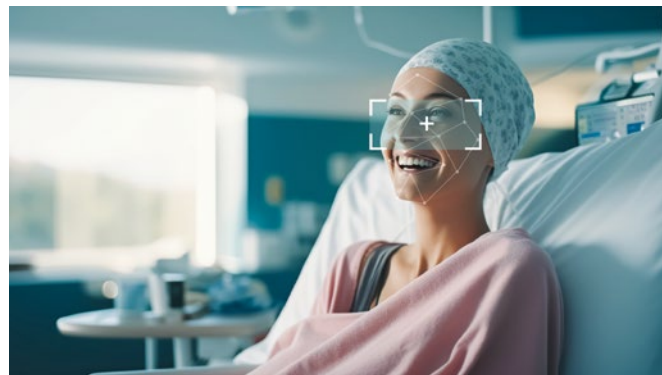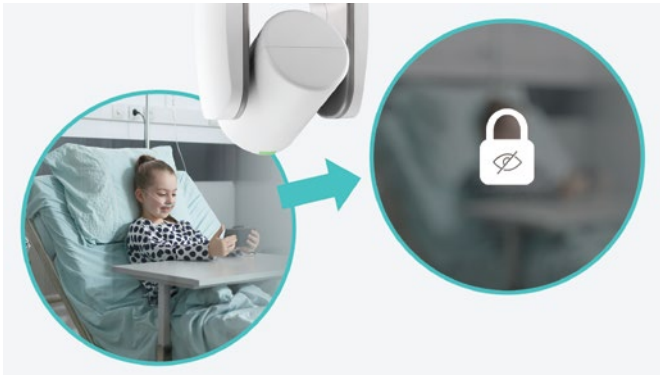| 20X Optical Zoom | 4K Output Resolution | Auto IR for Night View | AI Tracking & Monitoring | Built-In Microphone | Privacy Mode | Anti-UV Housing | Medical Grade Certification |

Capture All Details

Featuring 20X optical zoom, 4K resolution, superior autofocus and zoom speed, the MD120UI can capture even the smallest of details. Make precise assessments efficiently with the help of up to 256 preset points provided by the camera.

Powered By AI

State-of-the-art AI algorithms facilitate the automatic detection of a patient's body contour and capture specific areas of interest on patients, such as face and eyes (AI Facial/Eyes Tracking). The MD120UI can also automatically detect abnormal events in the ward. If a patient falls within the camera's field of view, it triggers an alert to notify nursing station personnel. By utilizing the AI modes, medical professionals can simplify monitoring patients and take necessary precautions with increased efficiency.

Your Privacy Matters

In any healthcare sitting, it is crucial to respect patients' trust and stay compliant to privacy laws. By activating the MD120UI's Privacy Mode, the transmission of video and audio data can be stopped, ensuring that no information leaves the ward. Rest assured that your patients' privacy is protected.

Built-in Microphone for Better Real-time Monitoring

Embedded microphones can transmit all sounds in the patient room to the nursing station, alerting medical staff of real-time, crucial information for proper intervention and offering more possibilities for enhancing virtual care settings.

Infrared Night Vision Function

The Infrared Night Vision function makes 24/7 patient monitoring possible. Healthcare providers can monitor patients around the clock without disturbing patient's sleep or compromising their own safety, providing secure and efficient patient care in dark room conditions.
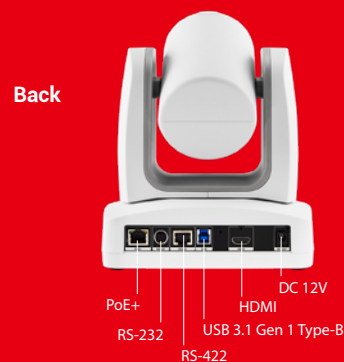
Product Specifications

Camera		
Image Sensor	1/2.8" Exmor CMOS
Effective Picture Elements	8MP
Output Resolution	Resolutions: 4K / 1080p / 720p Frame Rates: 60 / 59.94 / 50 / 30 / 29.97 / 25
Minimum Illumination	0.5 lux (50 IRE, F1.6, Max. AGC, 1/30)
S/N Ratio	≥ 50 dB
Gain	Auto, Manual
Shutter Speed	1/1 to 1/10,000 sec
Exposure Control	Auto, Manual, Priority AE (Shutter, IRIS), BLC, WDR
White Balance	Auto, Manual
Optical Zoom	20X
Digital Zoom	1X
Viewing Angles	DFOV: 69.2° (Wide) to 4.1° (Tele) HFOV: 62.3° (Wide) to 3.6° (Tele) VFOV: 37.7° (Wide) to 2.1° (Tele)
Focal Length	f = 4.5 mm (Wide) to 90 mm (Tele)
Aperture (Iris)	F = 1.8 (Wide) to 4.7 (Tele)
Minimum Working Distance	0.1 m (Wide), 1.2 m (Tele)
Pan/Tilt Angles	Pan: ±170°, Tilt: +90° / -30°
Pan/Tilt Speed (Manual)	Pan: 0.1° to 100° / sec, Tilt: 0.1° to 100° / sec
Preset Speed	Pan: 200° / sec, Tilt: 200° / sec
Preset Postition	10 (IR), 256 (RS-232 / RS-422 / IP)
Camera Control - Interfaces	RS-232 / RS-422 / Ethernet
Camera Control - Protocols	VISCA (RS-232 / RS-422 / IP), CGI (IP)
Image Processing	Mirror, Flip, Freeze, WDR, BLC
Power Frequency	50 Hz, 60 Hz

AI Function		
Mode	Eye Tracking

Privacy		
Protection Mode	Privacy Mode, Privacy Indicator

Audio		
Channels	2ch Stereo
Codec	AAC-LC (48K)
Built-in Microphone	1 (Omni-Directional)

Interface		
Video Outputs	HDMI, IP, USB
Audio Outputs	HDMI, IP, USB
Audio Inputs	N/A

Web UI		
Live Video Preview	Yes
Camera PTZ Control	Pan, Tilt, Zoom, Focus, Preset Control
Camera / Image	Exposure, White Balance, Picture
Network Configuration	DHCP, IP Address, Gateway, Subnet Mask, DNS

General		
Power Requirement	12V
Power Consumption	24W
PoE	PoE+ (IEEE802.3at)
Dimensions (W x H x D)	180 x145 x 183.5 mm
Net Weight	1.7 (± 0.1) kg
Housing Material	Anti-UV
Application	Indoor
IR Night Vision	Yes
Security	Kensington Slot
IR Remote Control	Yes
Remote Control	Infrared
Operating Conditions	Temperature: 0 ℃ to +40 ℃ ; Humidity: 20% to 80%
Storage Conditions	Temperature: -20 ℃ to +60 ℃ ; Humidity: 20% to 95%

IP Streaming		
Resolution	4K 60fps
Network Video Compress Formats	H.264, H.265, MJPEG
Maximum Frame Rate	4K 60fps
Bit-Rate Control Modes	VBR, CBR
Range of Bit-Rate	512Kbps to 64Mbps
Network Interface	10 / 100 / 1000 Base-T
Multi-Stream Capability	2 (RTSP / Web Page), 4K 60fps (max.)
Network Protocols	IPv6, IPv4, TCP, UDP, ARP, IMCP, IGMP, HTTP, DHCP, RTP/RTCP, RTSP, RTMP, VISCA over IP

USB		
Connector	USB 3.0 (Type-B)
Video Format	MJPEG
Maximum Video	2160p
USB Video Class (UVC)	UVC 1.1
USB Audio Class (UAC)	UAC 1.0

Software Tools		
IP Search and Configuration Tool	Support Windows® 7 or later
PTZ Management AVer ViewCare	Support Windows® 7 or later
PTZ Control Panel	Supports iOS & iPadOS® 11 or later
Camera Setting Tool	Supports Windows® 7 or later, macOS® 10.14 or later

Warranty		
Camera	3 Years
Accessories	1 Year

Package Contents		
	Camera, Drilling Paper, Ceiling Mount Bracket, Quick Start Guide, Cable Fixing Plate, M2 x 4 mm Screw (x3), Power Adapter & Power Cord, 1/4"-20 L=6.5 mm Screw (x2), Remote Control, M3 x 6 mm Screw (x3), USB Cable (Type-B)

Optional Accessories		
	AVer CL01 PTZ Camera Controller, L-Type Wall Mount

* Specifications may vary depending on location and are subject to change without notice.

Hardware Specifications

Front

Privacy Indicator

IR NIght Vision

IR Sensor

Microphone

Power Indicator

Back

PoE+

RS-232

RS-422

USB 3.1 Gen 1 Type-B

HDMI

DC 12V

pro.averusa.com