

AVer



MONITORING WITHOUT DISTANCE

AVer MD120UI

Medical Grade PTZ Camera 



The AVer MD120UI is the groundbreaking PTZ camera specifically designed for patient monitoring. Powered by advanced AI technologies, monitoring patients has become a breeze, allowing healthcare providers to stay vigilant and attentive to their patients' needs. 20X optical zoom & 4K imaging capabilities along with IR night view function provide crystal-clear visual monitoring of patients, enabling 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

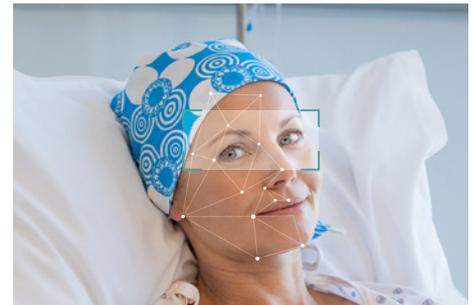
Superb Camera Quality

Thanks to MD120UI's superior autofocus, zoom speed, and rapid camera movements, the 4K resolution at 20X optical zoom lens is able to capture even the smallest of details. This allows doctors and healthcare providers to make precise assessments efficiently with the help of up to 256 preset points provided by the camera.



Innovative AI Technologies

The MD120UI is equipped with state-of-the-art AI algorithms that facilitate the automatic detection of patient's body contour and capture specific areas of interest on patients, such as face and eyes (AI Facial/Eyes Tracking). By utilizing the AI modes, medical professionals can monitor patients and take necessary precautions with increased efficiency. Furthermore, AVer is creating more AI modes to further assist medical professionals and patients.



Your Privacy Matters

In any healthcare setting, it is crucial to respect patients' trust and privacy. By activating 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 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.



24/7 Monitoring with Night Vision

The MD120UI has moved patient monitoring a step forward with its Infrared Night Vision function. This 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.



Product Specifications

Camera		Audio	
Image Sensor	1/2.8" CMOS	Channels	2ch Stereo
Effective Picture Elements	8 Megapixels	Codec	AAC-LC (48K)
Output Resolutions	Resolutions: 4K / 1080p / 720p Frame Rates: 60 / 59.94 / 50 / 30 / 29.97 / 25	Built-in Microphone	1 (Omni-Directional)
Minimum Illumination	0.5 lux (50 IRE, F1.6, Max. AGC, 1/30)	Interface	
S/N Ratio	≥ 50 dB	Video Outputs	HDMI, IP, USB
Gain	Auto, Manual	Audio Outputs	HDMI, IP, USB
TV Lines	1000 (Center / Wide)	Audio Inputs	N/A
Shutter Speed	1/1s to 1/10,000s	IP Streaming	
Exposure Control	Auto, Manual, Priority AE (Shutter, IRIS), BLC, WDR	Resolution	4K 60fps
White Balance	Auto / Manual	Network Video Compress Formats	H.264, H.265, MJPEG
Optical Zoom	20X	Maximum Frame Rate	4K 60fps
Digital Zoom	1X	Bit-Rate Control Modes	VBR, CBR
Total Zoom	20X	Range of Bit-Rate	512Kbps to 64Mbps
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)	Network Interface	10 / 100 / 1000 Base-T
Focal Length	f = 4.5 mm (Wide) to 90 mm (Tele)	Multi-Stream Capability	2 (RTSP / Web page), 4K 60fps Max.
Aperture (Iris)	F = 1.8 (Wide) to 4.7 (Tele)	Network Protocols	IPv6, IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, DHCP RTP/RTCP, RTSP, RTMP, VISCA over IP
Minimum Working Distance	0.1 m (Wide), 1.2 m (Tele)	USB	
Pan / Tilt Angles	Pan: ±170°, Tilt: +90° / -30°	Connector	USB 3.0 (Type-B)
Pan / Tilt Speed (Manual)	Pan: 0.1° to 100° / sec, Tilt: 0.1° to 100° / sec	Video Formats	MJPEG
Preset Speed	Pan: 200° / sec, Tilt: 200° / sec	Maximum Video	2160p
Preset Positions	10 (IR), 256 (RS-232, RS-422, IP)	USB Video Class (UVC)	UVC 1.1
Camera Control - Interfaces	RS-232 / RS-422 / Ethernet	USB Audio Class (UAC)	UAC 1.0
Camera Control - Protocols	VISCA (RS-232 / RS-422 / IP), CGI (IP)	Web UI	
Image Processing	Mirror / Flip / Freeze / WDR / BLC	Live Video Preview	Yes
Power Frequencies	50 Hz, 60 Hz	Camera PTZ Control	Pan, Tilt, Zoom, Focus, Preset Control
AI Function		Camera / Image	Exposure, White Balance, Picture
Mode	Eye Tracking	Network Configuration	DHCP, IP Address, Gateway, Subnet Mask, DNS
Privacy		Software Tools	
Protection Mode	Privacy Mode, Privacy Indicator	IP Search and Configuration Tool	Support Windows® 7 or later
General		PTZ Management AVer ViewCare	Support Windows® 7 or later
Power Requirement	12V	PTZ Control Panel	Supports iOS & iPadOS® 11 or later
Power Consumption	24W	Camera Setting Tool	Supports Windows® 7 or later, macOS® 10.14 or later
PoE	PoE+ (IEEE802.3at)	Warranty	
Dimensions (W x D x H)	180 x 145 x 183.5 mm	Camera	3 Years
Net Weight	1.7 (± 0.1) kg	Accessories	1 Year
Housing Material	Anti-UV	Package Contents	
Application	Indoor	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)	
IR Night Vision	Yes	Optional Accessories	
Security	Kensington Slot	AVer CL01 PTZ Camera Controller, L-Type Wall Mount	
IR Remote Control	Yes		
Operating Conditions	Temperature: 0°C to +40°C ; Humidity: 20% to 80%		
Storage Conditions	Temperature: -20°C to +60°C ; Humidity: 20% to 95%		

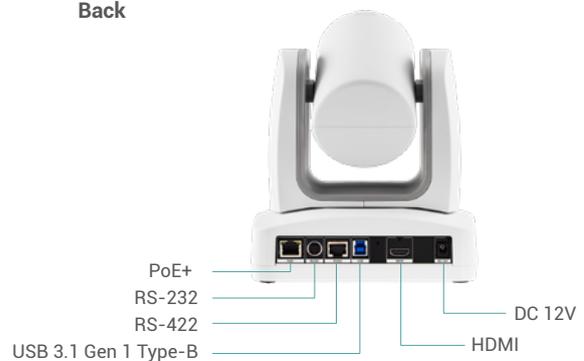
* Specifications may vary depending on location and are subject to change without notice.

Product Appearance

Front



Back



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