AVer

SONORA PROFESSIONAL SERVICES INTÉGRATION AUDIOVISUELLE



MONITORING WITHOUT DISTANCE



AVer MD120UI

Medical Grade PTZ Camera

TAIWAN EXCELLENCE 2024

IEC

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+ zoom
20X Optical Zoom

4K Ultra HD
4K Output Resolution

Auto IR for Night View

AI Tracking & Monitoring

Built-In Microphone

Privacy Mode

UV
Anti-UV Housing

IEC60601-1-2
Medical Grade Certification

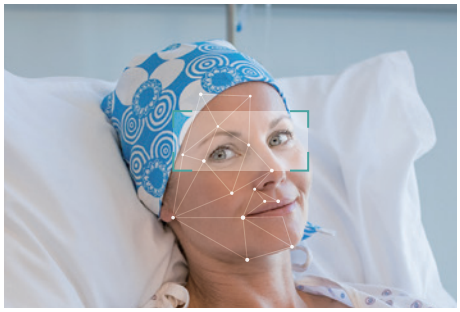
Superb Camera Quality

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 microphone 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	
Image Sensor	1/2.8" CMOS
Effective Picture Elements	8 Megapixels
Output Resolutions	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
TV Lines	1000 (Center / Wide)
Shutter Speed	1/1s to 1/10,000s
Exposure Control	Auto, Manual, Priority AE (Shutter, IRIS), BLC, WDR
White Balance	Auto / Manual
Optical Zoom	20X
Digital Zoom	1X
Total Zoom	20X
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 Positions	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 Frequencies	50 Hz, 60 Hz
AI Function	
Mode	Eye Tracking
Privacy	
Protection Mode	Privacy Mode, Privacy Indicator
General	
Power Requirement	12V
Power Consumption	24W
PoE	PoE+ (IEEE802.3at)
Dimensions (W x D x H)	180 x 145 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
Operating Conditions	Temperature: 0 °C to +40 °C ; Humidity: 20% to 80%
Storage Conditions	Temperature: -20 °C to +60 °C ; Humidity: 20% to 95%

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
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, ICMP, IGMP, HTTP, DHCP RTP/RTCP, RTSP, RTMP,VISCA over IP
USB	
Connector	USB 3.0 (Type-B)
Video Formats	MJPEG
Maximum Video	2160p
USB Video Class (UVC)	UVC 1.1
USB Audio Class (UAC)	UAC 1.0
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
Software Tools	
IP Search and ConfigurationTool	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	

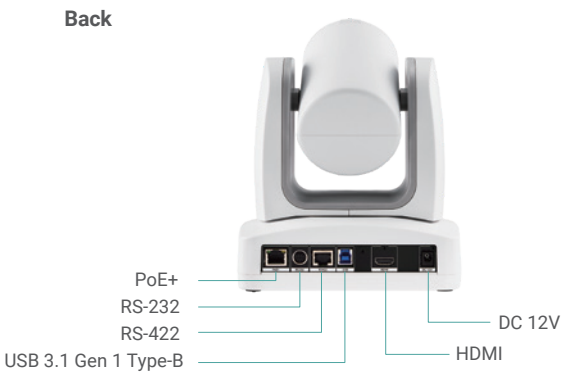
* Specifications may vary depending on location and are subject to change without notice.

Product Appearance

Front



Back



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Distributor/Dealer

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