MD120UI

Medical Grade PTZ Camera

20X 4K Camera for Patient Monitoring

4K ULTRA**HD**

IEC

TAA NDAA COMPLIANT

AVerCare — Pro AV Guarantee — 24 Hour Replacement | 3 Year Warranty

Professional PTZ Camera Provider

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.

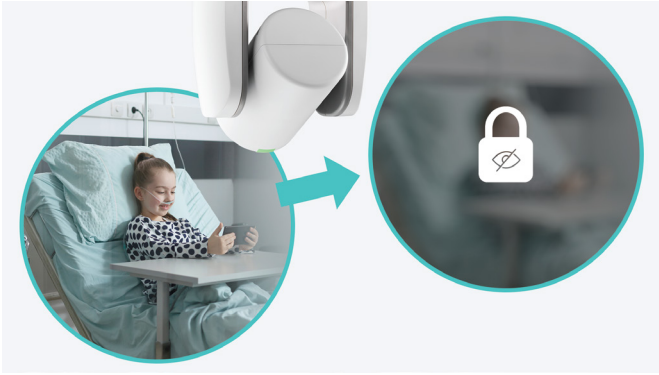| 20X Optical Zoom	4K Output Resolution	Auto IR for Night View	AI Tracking & Monitoring	Built-In Microphone	Privacy Mode	Anti-UV Housing	Medical Grade Certification

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.
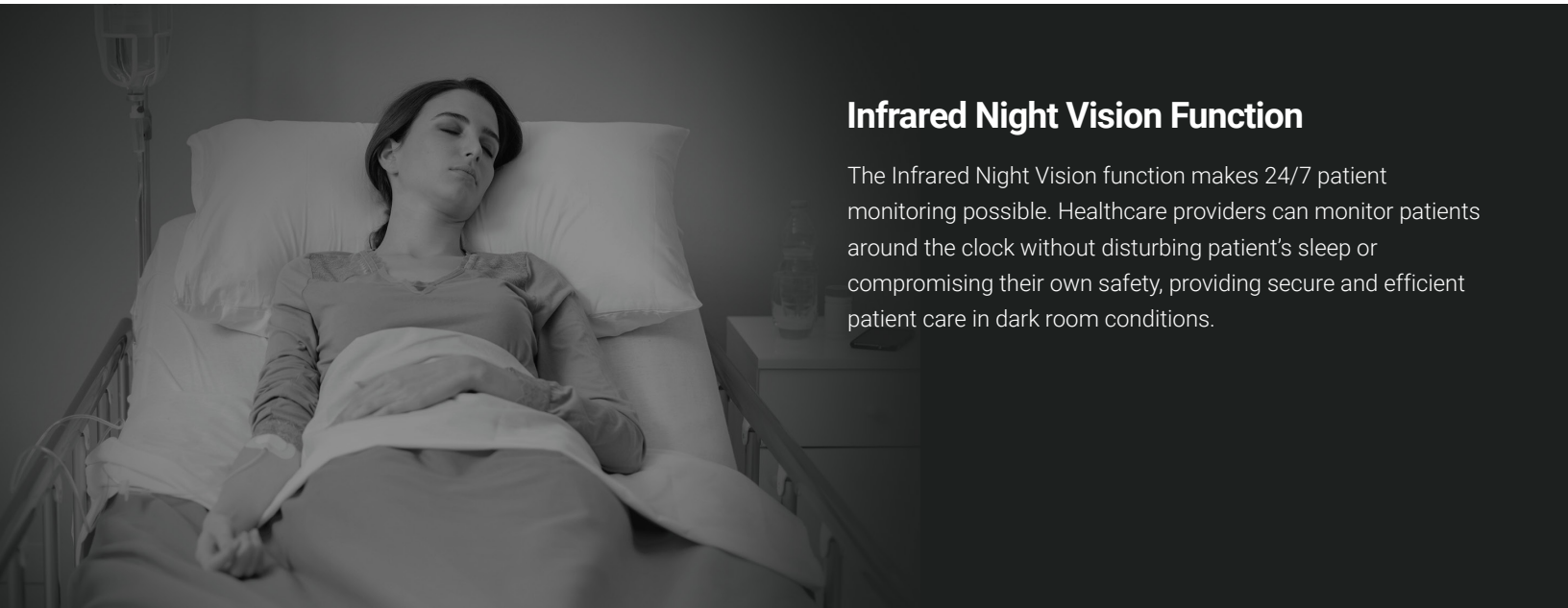
Your Privacy Matters

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.
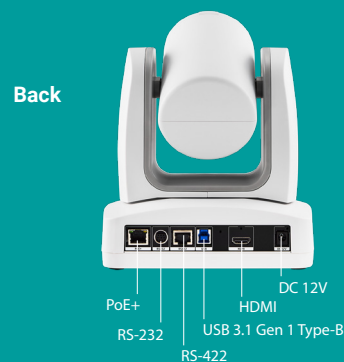
Product Specifications

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 °C to +40 °C ; Humidity: 20% to 80%
	Storage Conditions	Temperature: -20 °C to +60 °C ; 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