



# MD720UIS

**Medical Grade All-in-One PTZ Camera**

20X 4K AI Camera with Embedded Android™



Android Inside



Medical Grade



# Reimagining Telehealth Delivery

Embedded with an Android™ operating system, Edge-AI capabilities, and a high-quality two-way audio system, the MD720UIS is more than just a PTZ camera; it becomes a powerful tool supporting various healthcare applications beyond telemedicine, facilitating better care and offering unlimited possibilities for telehealth delivery.

Our industry-leading AVerCare warranty program offers 3 years protection and \*24-hour replacement to give you total peace of mind.

*\* Product will be shipped within 24 hours, after the RMA has been confirmed.*

10W  
Speaker



20X+  
OPTICAL



Ultra HD  
4K



Two-Way Audio



Voice Control



Auto IR Night View

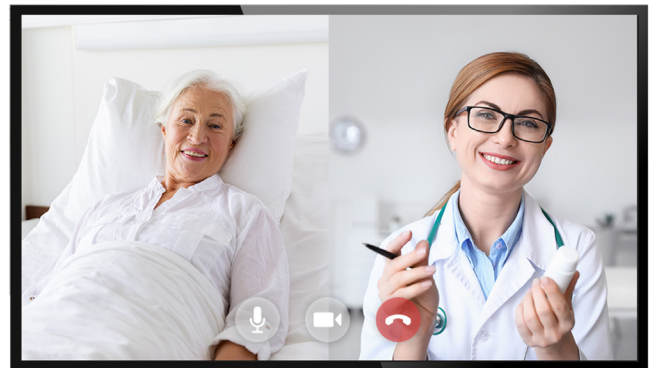


Privacy Mode



## Smart Healthcare Powered by Edge-AI

Equipped with a powerful chipset for edge computing, the MD720UIS not only features computer vision AI functions—such as AI Fall / Bed Egress Detection, and AI Face / Eye Tracking to assist medical professionals—but also supports AI features from a wide range of applications. This allows the device to run various AI-powered apps for diagnostics, patient monitoring, and more, seamlessly supporting diverse healthcare needs.



## Expands Your Healthcare Applications for Enhanced Care

Embedded with an Android operating system, the MD720UIS can install and run multiple apps using PIP (Picture-in-Picture) or Split Screen modes, enabling multitasking and flexibility in healthcare environments. Additionally, along with its embedded two-way audio, it further expands its functionality — from supporting telemedicine to enabling telerehabilitation, and beyond.



## Versatile Connectivity for Easy Integration and Installation

The MD720UIS's versatile connectivity enables seamless integration with various peripheral medical devices, providing access to images and data on a TV or monitor. Additionally, the PoE++ port allows both data and power to be delivered over a single Ethernet cable, simplifying installation and reducing clutter.



## Continuous Care with AI-Powered Detection

Patient safety is of the utmost importance, and the MD720UIS is designed to ensure round-the-clock safety and care. With its IR Night Vision feature and AI Fall/Bed Egress Detection function, the device provides 24/7 monitoring and ensures immediate alerts to caregivers when adverse events occur, allowing for rapid response and enhanced patient safety.



## Your Privacy Matters

In any healthcare setting, it is crucial to respect patients' trust and privacy. The MD720UIS offers two key privacy features: Local Privacy Mode, which turns off the transmission of both audio and video, ensuring no information leaves the room, and the Mosaic function, which automatically detects and applies a mosaic effect to bodies or faces within the field of view.

# Product Specifications

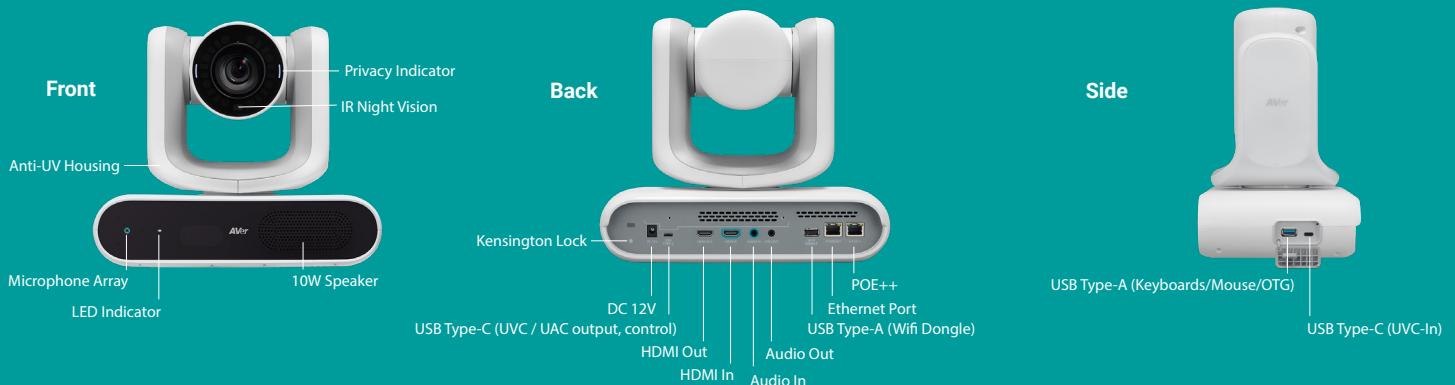
<b>Camera</b>	Image Sensor	1/2.8" 1080p Exmor CMOS
	Effective Picture Elements	8MP
	Output Resolution	4K/30p, 1080p/60, 1080p/30, 1080p/25, 720p/60, 720p/30, 720p/25
	Minimum Illumination	0.5 lux (IRE50, F1.6, Max. AGC, 1/30)
	S/N Ratio	≥ 50 dB
	Gain	Auto, Manual
	Shutter Speed	1/1 to 1/10,000 sec
	Exposure 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: 37.3° (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° / -90°
	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 Position	256 (IP / USB)	
Camera Control - Interfaces	RS-232 / RS-422 / Ethernet / USB	
Camera Control - Protocols	VISCA (IP), CGI (IP), UVC	
Image Processing	Mirror / Flip / Freeze / WDR / BLC	
Power Frequency	50 Hz, 60 Hz	
<b>AI Function</b>	Mode	Face / Eyes Tracking, Fall / Bed Egress Detection
	Protection Mode	Local Privacy Mode, Mosaic Function
<b>Privacy</b>	Protection Mode	Local Privacy Mode, Mosaic Function
<b>Audio</b>	Embedded Speaker	Yes, 10 Watts
	Microphone	Yes, Array Microphone
	AI Noise Reduction	Yes
<b>Interface</b>	Video Outputs	HDMI, IP, USB-C (Rear)
	Audio Outputs	HDMI, IP, USB-C, Line-out (Rear)
<b>Web UI</b>	Live Video Preview	Yes
	Camera PTZ Control	Pan, Tilt, Zoom, Focus, Preset Control
	Camera / Image	Exposure, White Balance, Image Process
	Network Configuration	DHCP, IP Address, Gateway, Subnet Mask, DNS

<b>General</b>	Power Requirement	AC100-204V to DC 12V / 5A and above
	Power Consumption	40W
	PoE++	Yes
	Dimensions (W x H x D)	273.57 x 233.4 x 160 mm
	Net Weight	3 kg
	Housing Material	Anti-UV
	Application	Indoor
	Privacy Indicator Light	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%	
<b>IP Streaming</b>	Resolution	4K 30fps
	Network Video Compress Formats	H.264, H.265
	Maximum Frame Rate	4K 30fps
	Network Protocols	IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, DHCP, RTP / RTCP, RTSP, VISCA over IP
	Network Interface	10 / 100 / 1000 Base-T
	Multi-Stream Capability	2 (RTSP / Web Page), 4K 30fps (max.)
<b>USB</b>	Connector	USB 3.0, (2) Type-A, and (2) Type-C
	Video Format	MJPEG, YUY2
	Maximum Video	N/A
	USB Video Class (UVC)	UVC 1.1
USB Audio Class (UAC)	UAC 1.0	
<b>Software Tools</b>	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
<b>Warranty</b>	Camera	3 Years
	Accessories	1 Year
<b>Package Contents</b>	Camera, Remote Control, Power Adapter, Power Cord, Cable Fixing Plate, Cable Tie (x6), M2 x 4mm Screw (x2), Quick Start Guide	
<b>Optional Accessories</b>	AVer CL01 PTZ Camera Controller, L-Type Wall Mount, Ceiling Mount Bracket	

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

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# Hardware Specifications



AVer Information Inc. Americas  
44061 Nobel Drive, Fremont, CA 94538  
Toll free 1.877.528.7824 T 408.263.3828 F 408.263.8132

[averusa.com/healthcare](http://averusa.com/healthcare)

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