



MD720UIS

Medical Grade All-in-One PTZ Camera

20X 4K AI Camera



Medical Grade



Reimagining Telehealth Delivery

Embedded with 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.*



20X Optical Zoom



4K Ultra HD



Two-Way Audio



Voice Control



Auto IR Night View

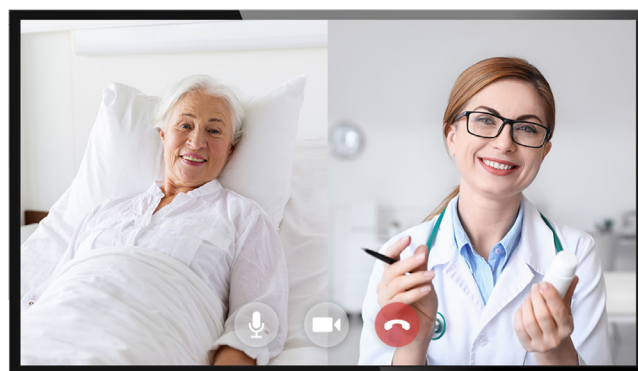


Privacy Mode



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

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

Camera	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	0.01 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)
AI Function	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
	Mode	Face / Eyes Tracking, Fall / Bed Egress Detection
	Protection Mode	Local Privacy Mode, Mosaic Function
	Embedded Speaker	Yes, 10 Watts
	Microphone	Yes, Array Microphone
	AI Noise Reduction	Yes
	Video Outputs	HDMI, IP, USB-C (Rear)
	Audio Outputs	HDMI, IP, USB-C, Line-out (Rear)
	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

General	Power Requirement	AC 100 – 240V 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%
	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.)
IP Streaming	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	USB Audio Class (UAC)	UAC 1.0
	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
Software Tools	Camera Setting Tool	Supports Windows® 7 or later, macOS® 10.14 or later
	Camera	3 Years
	Accessories	1 Year
Warranty		
Package Contents	Camera, Remote Control, Power Adapter, Power Cord, Cable Fixing Plate, Cable Tie (x6), M2 x 4mm Screw (x2), Quick Start Guide	
Optional Accessories	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.

Hardware Specifications

