



REIMAGINING TELEHEALTH DELIVERY

AVer **MD720UIS**


Medical Grade All-in-One PTZ Camera




AVer MD720UIS

An AIO Solution with Unlimited Possibilities


Equipped with Edge-AI capabilities and a high-quality two-way audio system, the MD720UIS is more than just a PTZ camera—it is a powerful tool that extends beyond telemedicine, supporting a wide range of healthcare applications, enhancing patient care, and unlocking new possibilities for telehealth delivery.




20X Optical Zoom




4K Ultra HD




Two-Way Audio




Edge-AI Support




Versatile Connectivity




Voice Control




Auto IR Night View



Privacy Mode



Mosaic Function



Medical Grade Certification



Enhances AI-Driven Healthcare

Equipped with an operating system and powerful chipset for edge computing, the MD720UIS can support AI Edge Computing for various healthcare applications, from monitoring, diagnostics assistance and beyond.

Expands Healthcare Applications

The MD720UIS can install and run multiple apps with PIP or POP settings. Along with its embedded two-way audio, it supports various healthcare applications beyond telemedicine, creating unlimited possibilities for healthcare delivery.

Supports Peripheral Medical Devices

The versatile connectivity of the MD720UIS allows it to connect with various peripheral medical devices, such as wireless ultrasound unit, otoscope, blood pressure monitor, etc., enabling access to images and data on a TV / monitor.

Ensures Patient Safety

The MD720UIS's **IR Night Vision function** enables 24/7 monitoring. Moreover, its **AI Fall / Bed Egress function** ensures immediate alerts to caregivers, allowing rapid response and thereby enhancing patient safety.

Protects Privacy in Ward

The MD720UIS features a **Local Privacy Mode** that turns off the transmission of both audio and video, ensuring no information leaves the room. Additionally, its **Mosaic function** can automatically detect and apply a mosaic effect to the bodies/faces within the field of view.

Product Specifications

Camera			
Image Sensor	1/2.8" CMOS	Remote Control	Infrared
Effective Picture Elements	8 Megapixels	Operating Conditions	Temperature: 0 °C to +40 °C ; Humidity: 20% to 80%
Output Resolutions	4K/30p, 1080p/60, 1080p/30, 1080p/25, 720p/60, 720p/30, 720p/25		Storage Conditions
Minimum Illumination	0.5 lux (IRE50, F1.6, Max. AGC, 1/30)	Audio	
S/N Ratio	≥ 50 dB	Embedded Speaker	Yes
Gain	Auto, Manual	Microphone	Yes, Microphone Array
Shutter Speed	1/1 to 1/10,000 sec	AI Noise Reduction	Yes
Exposure Control	Auto, Manual, Priority AE (Shutter, IRIS), BLC, WDR	Interface	
		Video Outputs	HDMI, IP, USB-C (Rear)
White Balance	Auto, Manual	Audio Outputs	HDMI, IP, USB-C, Line-out (Rear) *May vary depending on actual application scenarios
Optical Zoom	20X		
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)	IP Streaming	
		Resolution	4K 30fps
		Focal Length	f = 4.5 mm (Wide) to 90 mm (Tele)
Aperture (Iris)	F = 1.8 (Wide) to 4.7 (Tele)	Maximum Frame Rate	4K 30fps
Minimum Working Distance	0.1 m (Wide) , 1.2 m (Tele)	Network Interface	10 / 100 / 1000 Base-T
Pan / Tilt Angles	Pan: ±170°, Tilt: +90° / -90°	Multi-Stream Capability	2 (RTSP / Web Page), 4K 30fps (max.)
Pan / Tilt Speed (Manual)	Pan: 0.1° to 100° / sec, Tilt: 0.1° to 100° / sec	Network Protocols	IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, DHCP, RTP / RTCP, RTSP, VISCA over IP
Preset Speed	Pan: 200° / sec, Tilt: 200° / sec		
Preset Positions	256 (IP / USB)		
Camera Control - Protocols	VISCA (IP), CGI (IP)	USB	
Image Processing	Mirror / Flip / Freeze / WDR / BLC	Connector	USB 3.0
		Video Format	MJPEG/YUY2
Power Frequencies	50 Hz, 60 Hz	USB Video Class (UVC)	UVC 1.1
AI Functions		USB Audio Class (UAC)	UAC 1.0
Modes	Face / Eyes Tracking, Fall / Bed Egress Detection	Web UI	
Privacy		Live Video Preview	Yes
Protection Mode	Local Privacy Mode, Mosaic Function	Camera PTZ Control	Pan, Tilt, Zoom, Focus, Preset Control
General		Camera / Image	Exposure, White Balance, Image Process
Power Requirement	AC100–240V to DC 12V / 5A and above	Network Configuration	DHCP, IP Address, Gateway, Subnet Mask, DNS
Power Consumption	40 W	Software Tools	
POE	POE++ (IEEE 802.3bt)	IP Search and Configuration Tool	Supports Windows® 7 or later
Dimensions (W x H x D)	273.57 x 233.4 x 160 mm	ViewCare	Supports Windows® 7 or later
Net Weight	3 kg	PTZ Control Panel	Supports iOS & iPadOS® 11 or later
Application	Indoor	Warranty	
Privacy indicator light	Yes	Camera	3 Years
Security	Kensington Slot	Accessories	1 Year
Package Contents	Camera, Remote Control, Power Adapter, Power Cord, Cable Fixing Plate, Cable Tie (x6), M2 x 4mm Screw (x2), Quick Start Guide		

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

Product Appearance

Front



- 1

Privacy Indicator
- 4

Microphone Array
- 2

IR Night Vision
- 5

LED Indicator
- 3

Anti-UV Housing
- 6

Speaker

Back



- 1

Kensington Lock
- 4

HDMI Out
- 7

Audio Out
- 2

DC 12V
- 5

HDMI In
- 8

USB Type-A (Wifi Dongle)
- 3

USB Type-C (UVC / UAC output, control)
- 6

Audio In
- 9

Ethernet Port
- 10

POE++

Side



- 1

USB Type-A (Keyboards/Mouse/OTG)
- 2

USB Type-C (UVC-In)



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