



REIMAGINING TELEHEALTH DELIVERY

AVer **MD720UIS**


Medical Grade All-in-One PTZ Camera




AVer MD720UIS

An AIO Solution with Unlimited Possibilities


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.




20X Optical Zoom




4K Ultra HD




Android™ Inside




Two-Way Audio




Edge-AI Support




Versatile Connectivity



Voice Control



Auto IR Night View



Privacy Mode



Medical Grade Certification

* Android is a trademark of Google LLC.



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

With an embedded Android operating system, 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

Operating System		Remote Control		Infrared	
Operating System	Android™	Operating Conditions		Temperature: 0 °C to +40 °C ; Humidity: 20% to 80%	
Camera		Storage Conditions		Temperature: -20 °C to +60 °C ; Humidity: 20% to 95%	
Image Sensor	1/2.8" CMOS	Audio			
Effective Picture Elements	8 Megapixels	Embedded Speaker		Yes	
Output Resolutions	4K/30p, 1080p/60, 1080p/30, 1080p/25, 720p/60, 720p/30, 720p/25	Microphone		Yes, Microphone Array	
Minimum Illumination	0.5 lux (IRE50, F1.6, Max. AGC, 1/30)	AI Noise Reduction		Yes	
S/N Ratio	≥ 50 dB	Interface			
Gain	Auto, Manual	Video Outputs		HDMI, IP, USB-C (Rear)	
Shutter Speed	1/1 to 1/10,000 sec	Audio Outputs		HDMI, IP, USB-C, Line-out (Rear) *May vary depending on actual application scenarios	
Exposure Control	Auto, Manual, Priority AE (Shutter, IRIS), BLC, WDR				
White Balance	Auto, Manual	IP Streaming			
Optical Zoom	20X	Resolution		4K 30fps	
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)	Network Video Compress Formats		H.264, H.265	
Focal Length	f = 4.5 mm (Wide) to 90 mm (Tele)	Maximum Frame Rate		4K 30fps	
Aperture (Iris)	F = 1.8 (Wide) to 4.7 (Tele)	Network Interface		10 / 100 / 1000 Base-T	
Minimum Working Distance	0.1 m (Wide) , 1.2 m (Tele)	Multi-Stream Capability		2 (RTSP / Web Page), 4K 30fps (max.)	
Pan / Tilt Angles	Pan: ±170°, Tilt: +90° / -90°	Network Protocols		IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, DHCP, RTP / RTCP, RTSP, VISCA over IP	
Pan / Tilt Speed (Manual)	Pan: 0.1° to 100° / sec, Tilt: 0.1° to 100° / sec				
Preset Speed	Pan: 200° / sec, Tilt: 200° / sec	USB			
Preset Positions	256 (IP / USB)	Connector		USB 3.0	
Camera Control - Protocols	VISCA (IP), CGI (IP)	Video Format		MJPEG/YUY2	
Image Processing	Mirror / Flip / Freeze / WDR / BLC	USB Video Class (UVC)		UVC 1.1	
Power Frequencies	50 Hz, 60 Hz	USB Audio Class (UAC)		UAC 1.0	
AI Functions		Web UI			
Modes	Face / Eyes Tracking, Fall / Bed Egress Detection	Live Video Preview		Yes	
Privacy		Camera PTZ Control		Pan, Tilt, Zoom, Focus, Preset Control	
Protection Mode	Local Privacy Mode, Mosaic Function	Camera / Image		Exposure, White Balance, Image Process	
General		Network Configuration		DHCP, IP Address, Gateway, Subnet Mask, DNS	
Power Requirement	AC100–240V to DC 12V / 5A and above	Software Tools			
Power Consumption	40W	IP Search and Configuration Tool		Supports Windows® 7 or later	
POE	POE++ (IEEE 802.3bt)	ViewCare		Supports Windows® 7 or later	
Dimensions (W x H x D)	273.57 x 233.4 x 160 mm	PTZ Management		Supports Windows® 7 or later	
Net Weight	3kg	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

2 IR Night Vision

3 Anti-UV Housing

4 Microphone Array

5 LED Indicator

6 Speaker

Back

1 Kensington Lock

2 DC 12V

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

4 HDMI Out

5 HDMI In

6 Audio In

7 Audio Out

8 USB Type-A (Wifi Dongle)

9 Ethernet Port

10 POE++

Side

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

2 USB Type-C (UVC-In)



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