



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	
White Balance	Auto, Manual	Video Outputs	HDMI, IP, USB-C (Rear)
Optical Zoom	20X	Audio Outputs	HDMI, IP, USB-C, Line-out (Rear) * May vary depending on actual application scenarios
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)	Network Video Compress Formats	H.264, H.265
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)	USB	
Camera Control - Protocols	VISCA (IP), CGI (IP)	Connector	USB 3.0
Image Processing	Mirror / Flip / Freeze / WDR / BLC	Video Format	MJPEG/YUY2
		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	40 W	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)	273.6 x 223.4 x 160.0 mm	PTZ Control Panel	Supports iOS & iPadOS® 11 or later
Net Weight	3 kg	Warranty	
Application	Indoor	Camera	3 Years
Privacy indicator light	Yes	Accessories	1 Year
Security	Kensington Slot	Package Contents	
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.

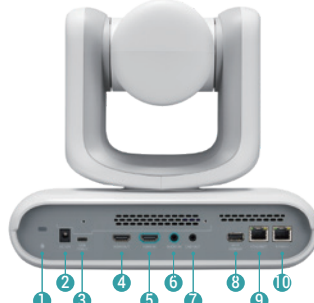
Product Appearance

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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