PRECISION DIAGNOSIS

ECO FRIENDLY PACKAGING

AVer MD330U

Medical Grade PTZ Camera

AVer MD330U is specially designed and medically certified for Telemedicine with the IEC 60601 Medical Certification. The 30X optical zoom lens with 4K output resolution delivers superb image quality. AI Noise Reduction offers a face-to-face communication experience for patients and doctors. A first in the industry, the removable camera head makes 360-degree angle close-up shooting and snapshots possible.

30X Optical Zoom

4K Output Resolution

Speedy Focus

Wide Angle PTZ

Handheld Camera Head

Short Working Distance

One-Click Pan-Tilt

One-Button Snapshot

One-Button Fill Light

Medical Certifications

Revolutionary Removable Head Design

The removable camera head design is a true revolution in telemedicine – not only can the doctor make use of the motorized remote controlled PTZ functionality, the near-site medical assistant can also simply remove the camera from the base and easily give the doctor a clear view of any difficulties to capture area of interest.
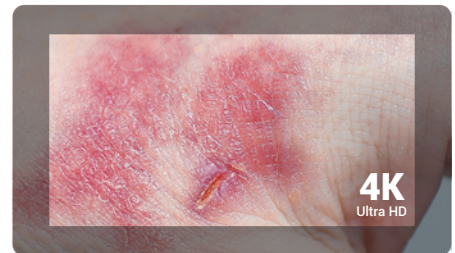

Unparalleled 30X Optical Zoom Capability

The 30X optical zoom lens picks up even the smallest of details for the doctor to precisely diagnose, thanks to a superior autofocus, zoom speed and speedy camera movements.

30X Optical Zoom

Outstanding 4K Resolution

The MD330U delivers ultra-clear 4K resolution imagery of the patient to the doctor and works together with the excellent 30X optical zoom to allow doctors to make accurate remote diagnoses.

4K
Ultra HD

AI Acoustics

With an integrated speakerphone and microphone, the MD330U is equipped with an all-in-one audio system. AVer's in-house AI Noise Deduction technology makes communication smooth and telemedicine sessions stress free.

Medical Grade Certification

The IEC 60601 medical certification not only ensures stability and safety of the MD330U, but also guarantees the compatibility of other medical grade devices with the MD330U.

IEC 60601

Product Specifications

Camera	
Image Sensor	1/2.8" 4K Exmor CMOS
Effective Picture Elements	8 Megapixels
Output Resolutions	4K/30 (IP / UVC), 1080p/50, 1080p/30, 1080p/29.97, 1080p/25, 1080i/60, 1080i/50, 720p/60, 720p/59.94, 720p/50
Minimum Illumination	0.7 lux (IRE50, F1.6, 30fps)
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	30X
Viewing Angles	DFOV: 75.5° (Wide) to 3.1° (Tele)
	HFOV: 68.0° (Wide) to 2.7° (Tele)
	VFOV: 41.7° (Wide) to 1.5° (Tele)
Focal Length	f = 4.3 mm (Wide) to 129 mm (Tele)
Aperture (Iris)	F = 1.6 (Wide) to 4.7 (Tele)
Minimum Working Distance	0.01 m (Wide), 1.2 m (Tele)
Pan / Tilt Angles	Pan: ±170°, Tilt: +90° / -35°
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 Positions	10 (IR), 256 (RS-232 / IP)
Camera Control - Protocols	VISCA (RS-232 / IP), PELCO-D & PELCO-P (RS-232), CGI (IP)
Image Processing	Noise Reduction (2D / 3D), Flip, Mirror, WDR, BLC
Power Frequencies	50 Hz, 60 Hz

General	
Power Requirement	AC 100 - 240V to DC 12V/3.34A
Power Consumption	36W
Dimensions (W x H x D)	168.0 x 203.0 x 124.0 mm
Net Weight	1.95 kg
Application	Indoor
Tally Lamp	N/A
Security	Kensington Slot
Remote Control	Infrared
Operating Conditions	Temperature: 0 °C to +35 °C; Humidity: 20% to 80%
Storage Conditions	Temperature: -20 °C to +60 °C; Humidity: 20% to 95%

Audio	
Embedded Speaker	Yes
Microphone	Yes, Array Microphone
AI Noise Reduction	Yes

Interface	
Video Outputs	HDMI, IP, USB
Audio Outputs	HDMI, IP, USB

IP Streaming	
Resolution	4K 30fps
Network Video Compress Formats	H.264, H.265
Maximum Frame Rate	4K 30fps
Network Interface	10 / 100 / 1000 Base-T
Multi-Stream Capability	2 (RTSP / Web Page), 4K 30fps (max.)
Network Protocols	IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, DHCP, RTP / RTCP, RTSP, RTMP, VISCA over IP

USB	
Connector	USB 3.0
Video Format	MJPEG, YUY2
Audio Format	PCM
USB Video Class (UVC)	UVC 1.1
USB Audio Class (UAC)	UAC 1.0

Software Tools	
IP Search and Configuration Tool	Support Windows® 7 or later

Warranty	
Camera	3 Years
Accessories	1 Year

Package Contents	
Camera, Remote Control, Power Adapter, Power Cord, Screws (x2), USB Cable, Quick Start Guide	

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

Product Appearance

Front

Back

Camera

Front
1. Removable Camera Lens
2. Speaker
3. Microphone Array
4. LED Indicator
5. Mode Switch Button

Back
1. USB Type-A for Camera Connection
2. RJ45
3. USB 3.0 Type-B
4. HDMI
5. USB Type-A
6. microSD Card Slot
7. RS-232
8. DC 12V
9. Kensington Slot

Camera
1. Snapshot Button
2. Fill Light Button

Distributor/Dealer

CE FC RoHS COMPLIANT ECO FRIENDLY

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