CONNECTING WITHOUT BOUNDARIES

AVer MD330U

Medical Grade PTZ Camera

ECO FRIENDLY PACKAGING

AVer MD330U is specially designed and medically certified for Telemedicine with the IEC 60601-1-2 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.
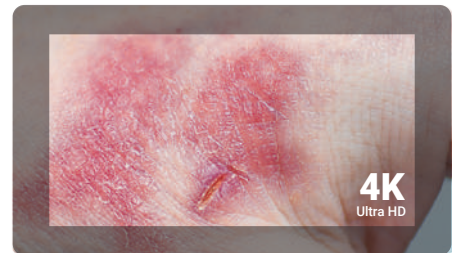
Unparalleled 30X Optical Zoom Capability

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 60601-1-2 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 60601-1-2

Product Specifications

Camera		Speaker	
Image Sensor	1/2.8" 4K Exmor CMOS	Embedded Speaker	Yes
Effective Picture Elements	8 Megapixels	SPL	77 dB SPL (1W / 1m)
Output Resolutions	4K/30 (IP/UVC), 1080p/60, 1080p/59.94, 1080p/50, 1080p/30, 1080p/29.97, 1080p/25, 720p/60, 720p/59.94, 720p/50, 720p/30	Maximum SPL	90 dB SPL at 0.5 m
		Microphone	
		Built-in Microphone	2 (Omnidirectional)
Minimum Illumination	0.7 lux (IRE50, F1.6, 30fps)	AI Noise Reduction	Yes
S/N Ratio	≥ 50 dB	Pickup Range	5 m
Gain	Auto, Manual	Sensitivity	-33 dBFS
Shutter Speed	1/1 to 1/10,000 sec	Frequency Response	20 Hz to 20 KHz
Exposure Control	Auto, Manual, Priority AE (Shutter, IRIS), BLC, WDR	Maximum SPL	133 dB SPL at 0.5 m
White Balance	Auto, Manual	**Loop Recording**	
Optical Zoom	30X	Resolution	Up to 4K
Viewing Angles	DFOV : 75.5° (Wide) to 3.1° (Tele)	Length of Video	5 minutes
	HFOV : 68.0° (Wide) to 2.7° (Tele)	Recording Modes	Loop & continuous
	VFOV : 41.7° (Wide) to 1.5° (Tele)	Loop Mechanism	Wipe the oldest clip
Focal Length	f = 4.3 mm (Wide) to 129 mm (Tele)	**IP Streaming**	
Aperture (Iris)	F = 1.6 (Wide) to 4.7 (Tele)	Resolution	4K 30fps
Minimum Working Distance	0.01 m (Wide), 1.2 m (Tele)	Network Video Compress Formats	H.264, H.265
Pan / Tilt Angles	Pan : ±170°, Tilt: +90° / -35°		
Pan / Tilt Speed (Manual)	Pan : 0.1° to 100° / sec, Tilt: 0.1° to 100° / sec	Maximum Frame Rate	4K 30fps
Preset Speed	Pan : 200° / sec, Tilt: 200° / sec	Network Interface	10 / 100 / 1000 Base-T
Preset Positions	10 (IR), 256 (RS-232 / IP)	Multi-Stream Capability	2 (RTSP / Web Page), 4K 30fps (max.)
Camera Control - Protocols	VISCA (RS-232 / IP), CGI (IP)	Network Protocols	IPv4, TCP, UDP, ARP, ICMP, IGMP, HTTP, DHCP, RTP / RTCP, RTSP, RTMP, VISCA over IP
Image Processing	Noise Reduction (2D / 3D), Flip, Mirror, WDR, BLC		
Power Frequencies	50 Hz, 60 Hz	**USB**	
Interface		Connector	USB 3.0
Video Outputs	HDMI, IP, USB	Video Format	MJPEG、YUY2
Audio Outputs	HDMI, IP, USB	Audio Format	PCM
General		USB Video Class (UVC)	UVC 1.1
Power Requirement	AC 100 - 240V to DC 12V / 3.34A	USB Audio Class (UAC)	UAC 1.0
Power Consumption	36W	**Software Tools**	
Dimensions (W x H x D)	168 x 205 x 126 mm	IP Search and Configuration Tool	Support Windows® 7 or later
Net Weight	1.95 kg		
Application	Indoor	**Warranty**	
Tally Lamp	N / A	Camera	3 Years
Security	Kensington Slot	Accessories	1 Year
Remote Control	Infrared	**Package Contents**	
Operating Conditions	Temperature : 0 °C to +35 °C; Humidity : 20% to 80%	Camera, Remote Control, Power Adapter, Power Cord, Screws (x2), USB Cable, QR Code Card	
Storage Conditions	Temperature : -20 °C to +60 °C; Humidity : 20% to 95%		

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

Product Appearance

Front

Back

Camera

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

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

1. Snapshot Button
2. Fill Light Button

Distributor/Dealer

www.aver.com

CE FC RoHS COMPLIANT ECO FRIENDLY

202306