



# CARING WITHOUT LIMITS



## AVer MD330UI

Medical Grade PTZ Camera 



AVer MD330UI 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. The MD330UI is available for infrared night view, delivering care 24/7.



30X Optical Zoom



4K Output Resolution



Speedy Focus



Wide Angle PTZ



Handheld Camera Head



Short Working Distance



One-Click Pan-Tilt



One-Button Snapshot



IR for Night View



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.



## Outstanding 4K Resolution

The MD330UI 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.



## AI Acoustics

With an integrated speakerphone and microphone, the MD330UI 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 MD330UI, but also guarantees the compatibility of other medical grade devices with the MD330UI.



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

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

## Product Appearance

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



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