



# CM32 PTZ CAMERA 4K 20X ZOOM



## The essential 4K PTZ camera

The CM32 is Avonic's essential 4K PTZ camera, designed for high-quality video capture in fixed installations such as classrooms, meeting rooms, and houses of worship. It offers sharp 4K resolution, smooth PTZ control, tracking, and easy integration into AV systems. Focused on simplicity and strong core performance, the CM32 is ideal for everyday applications, built with the quality Avonic is known for.

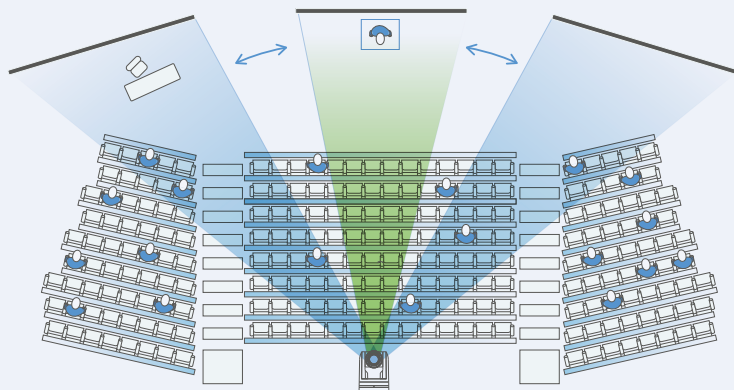
## 4K sensor

The CM32's 4K sensor delivers impressive clarity, also when outputting in Full HD. Enhanced detail and sharpness make every frame stand out. It captures crisp, detailed visuals that elevate any presentation or stream. Optimized for low-light settings, it performs reliably under any circumstance.

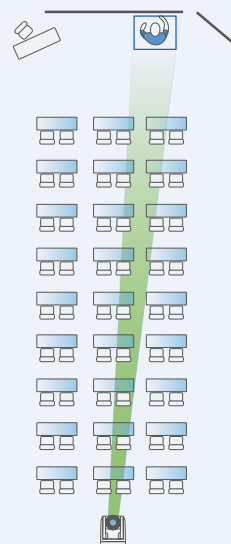
## Features

- Tracking
- 4K & Full HD output
- 20x Zoom (4K) & 30x Zoom (HD)
- Simultaneous HDMI, USB & IP output
- Low-light performance
- High Pan/Tilt speed

## TRACKING FEATURES



Hybrid Tracking



Presenter Tracking

SPECIFICATIONS

Camera

|                            |                                                            |
|----------------------------|------------------------------------------------------------|
| Resolution                 | Up to 4K30                                                 |
| Video Systems HDMI output  | 4k30, 4k25, 1080p60/59.94/50/30/29.97/25, 7020p60/59.94/50 |
| Sensor                     | Sony 1/2.8",8.42MP, 16:9 High SNR CMOS Sensor              |
| Shutter                    | Auto/ Manual 1/60th ~ 1/10000th                            |
| Scanning mode              | Progressive                                                |
| Zoom/Aperture/Focal length | 20x zoom*/ F1.8 ~ F11/ 4.1mm ~ 43mm (+/- 5%)               |
| Minimal Illumination       | 0.5 LUX @F1.8                                              |
| White Balance              | Auto, Manual, One Push, Manual 2400 ~ 7100K in 100k steps  |
| Backlight Compensation     | Supported                                                  |
| Digital Noise Reduction    | Supported                                                  |
| Signal Noise Ratio         | >50 dB                                                     |
| Horizontal FOV             | 68.5° ~ 4.0°                                               |
| Vertical FOV               | 40.5° ~ 2.0°                                               |
| Horizontal rotation        | +/- 170°                                                   |
| Vertical rotation          | 120° (30° down, 90° up)                                    |
| Pan speed range            | 0.15° ~ 120° p/s                                           |
| Tilt speed range           | 0.15° ~ 70° p/s                                            |
| H&V image flip             | supported                                                  |
| Number of presets          | 255 with 0.1 accuracy                                      |
| Control                    | UVC, IR Remote, IP                                         |
| Control protocol           | VISCA over IP                                              |

IP Features

|                            |                                                                    |
|----------------------------|--------------------------------------------------------------------|
| Video coding standard      | H.265 / H.264 / MJPEG                                              |
| H.265 Profiles             | main                                                               |
| H.264 Profiles             | base, main, high                                                   |
| Main stream resolution     | 3840x2160 / 1920x1080 / 1280x720                                   |
| Main stream max frame-rate | 30fps                                                              |
| Main stream bitrate        | 64 ~ 40960 Kbps                                                    |
| Sub stream resolution      | 1920x1080/ 1280x720 / 720x480/ 640x480/ 640x360/ 320x240 / 320x180 |
| Sub stream max frame-rate  | 30fps max                                                          |
| Sub stream bitrate         | 64 ~ 40960 Kbps                                                    |
| Video bitrate type         | CBR, VBR                                                           |
| Supported protocols        | RTSP, RTMP, ONVIF, Multicast, Unicast                              |

Input / Output Interface

|                   |                             |
|-------------------|-----------------------------|
| HDMI output       | HDMI up to 4K30             |
| USB Output        | USB2.0 Type B, 2160p30 max. |
| Network interface | RJ45 100 mbit.              |

General specifications

|                               |                                          |
|-------------------------------|------------------------------------------|
| Input voltage                 | 12V                                      |
| PoE                           | PoE 802.3AT (PoE) at 15 watt             |
| Power consumption             | 15W                                      |
| Power supply                  | 12V2A                                    |
| Power connector               | EIAJ-4 - Philmore 255 plug               |
| Operating temperature         | -5°C ~ 35°C                              |
| Storage temperature           | -20°C ~ 60°C                             |
| Operating humidity            | 20% ~ 95% non-condensing                 |
| Bottom fastening screw thread | 1/4" 20 UNC                              |
| Color                         | Black, White                             |
| Dimensions product wxhxd      | 133 x 180 x 153 mm. excl. connectors     |
| Weight product                | 1.6 kgs                                  |
| Dimensions box                | 26 x 24 x 24 cm                          |
| Included                      | power adapter, remote control, USB cable |

SKU

|       |              |
|-------|--------------|
| Black | AV-CM32-IP-B |
| White | AV-CM32-IP-W |

Included Features      Hybrid Tracking, Presenter Tracking

Product label markings



Model: **AV-CM32-IP-B**  
Product name: PTZ Camera 20x Zoom Black  
Input: 12VDC, 2A PoE+48VDC, 0.25A  
Package Quantity (unit): 1  
(Designed in The Netherlands, Made in China)

MAC & Serial ID: 

EAN: 

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