# AVERTX

## HD IP

# AVX-HD838IRM

## AI-Enabled 4K Autofocus Indoor/Outdoor IP Dome Camera with Night Vision



**4K ULTRA HD**
4K Ultra High Definition resolution for professional quality detail

Intelligent person and vehicle detection analytics using AI deep learning

4x motorized AF zoom lens gives more choices for camera placement and to enlarge a scene
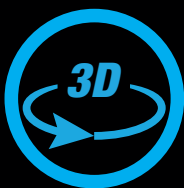
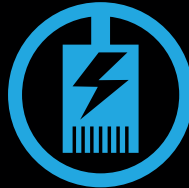MicroSD slot for up to 128GB of on-camera video backup

**TRUE WDR**
True Wide Dynamic Range (WDR) provides superior image clarity in drastic lighting conditions

Tough IP67 and IK10 rated construction will withstand tough weather conditions and vandalism for exposed installation locations

**3D**
3-axis gimbal lens adjustment for improved flexibillity in placement

With Power over Ethernet, both video and power travel along one cable for easy installation

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## Camera Specifications

| | |
|---|---|
| **Model** | AVX-HD838IRM |
| **Resolution** | 8MP (3840 × 2160) |
| **Number of Video Streams** | 2 (High resolution stream for single camera view, low resolution stream for multiple camera view) |
| **Frames Per Second** | 20 fps @ 8MP (3840 × 2160) |
| **Image Sensor** | 1 / 2" CMOS |
| **Wide Dynamic Range** | True WDR, 120db |
| **Lens** | 2.8 ~ 12 mm Motorized Autofocus Zoom |
| **Field Of View (Horizontal)** | 112° to 46° |
| **Lens Adjustment** | 3-Axis |
| **Motorized Pan / Tilt** | No |
| **Iris Control** | Auto Iris |
| **Backlight Compensation** | Yes |
| **Auto Gain Control** | Yes |
| **AI Analytics** | Person and vehicle detection |
| **Minimum Illumination** | 0.008 Lux (Color); 0.0 Lux (IR LED) |
| **Day / Night** | True Day / Night with IR Cut Filter |
| **IR LEDs** | High Intensity LEDs with Smart IR Technology |
| **Max IR Range*** | Up to 100 feet (30 m) from camera |
| **Optimal IR Range*** | Up to 60 feet (20 m) from camera |
| **Compression** | H.264 Enhanced Codec |
| **microSD Card Recording** | Yes, Up to 128 GB Capacity |
| **Input Voltage** | PoE Only IEEE 802.3af Power over Ethernet 48vDC |
| **Power Consumption** | 12.5W Max |
| **ONVIF Compliance** | Profile S** |
| **IP Rating** | IP67 |
| **Tamper/Vandal Resistant** | IK10 Rated |
| **Audio** | In / Out |
| **Heater** | No |
| **Operating Temperature** | -22° ~ 140°F (-30° ~ 60°C) |
| **Cold Start Temperature** | -22° F (-30° C) |
| **Dimensions** | Ø 6" x 4.4" (Ø 153 x 111 mm) |
| **Weight** | 2 lbs (900 g) |
| **Paintable Cover** | Yes |
| **Mounting Hardware Included** | Yes |
| **Optional Mounts** | Wall Mount, Junction Box, Pendant Mount |

*IR range and image quality can be affected by surfaces that absorb or reflect IR light differently in total darkness. Camera location or direction may need to be adjusted to optimize image quality. Some ambient lighting provides the best results for recording in darkness.
**Contact manufacturer of the recorder to ensure full function compatibility.

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