



## 6MP Dome Vari-Focal Camera: AMG-UKVFDC-650-IP



**6MP**  
RESOLUTION  
3072 × 2048



**DAY & NIGHT**  
IR Cut Filter



**HDR**  
≥ 140 dB



**50m**  
IR NIGHT VISION



**INTELLIGENT ANALYTICS**  
Human, Vehicle, Face & More



**IP67**  
WEATHERPROOF



**IK10**  
VANDAL PROOF  
(Except Front Glass)



**BUILT-IN MICROPHONE**  
Audio Surveillance



**SD CARD SUPPORT**  
Up to 1TB



**PoE SUPPORT**  
IEEE 802.3af/at

The **AMG-UKVFDC-650-IP** is an **Essential Series** 6MP IP Dome camera designed for reliable, intelligent surveillance systems. It features 1/2.8" Progressive Scan CMOS sensor, motorized 2.7–13.5mm autofocus varifocal lens, and IR illumination up to 60 m for clear monitoring in both day and night conditions.

With H.265/H.264 compression, quad-streaming, ≥140 dB HDR, built-in microphone, AI-based human and vehicle detection, face detection, people/vehicle counting, and perimeter protection, the camera provides advanced video security and analytics.

The IP67 and IK10 protection make it suitable for outdoor installations, while PoE support, ONVIF compatibility, SD card storage up to 1TB, and multiple security protocols ensure flexible and secure deployment.

### Interface

**6MP Dome Vari-Focal.**

**Lens: 2.7 to 13.5mm**

**IR: 50 Meters**

**Quad Streams**

### Conformance

**STQC Tested**

**BIS-ER Certified**

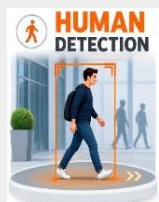
**IP67 and IK10**

**People Counting**

**Face Capture**

**Human Detection**

**Vehicle Detection**





## Specifications:

|                             |                                                                                          |
|-----------------------------|------------------------------------------------------------------------------------------|
| Model No.                   | AMG-UKVFDC-650IP                                                                         |
| Image Sensor                | 1/2.8" Progressive Scan CMOS                                                             |
| Max. Resolution             | 3072(H) x 2048(V) (6MP)                                                                  |
| Min. Illumination           | Color: 0.002 Lux @ (F1.4, AGC ON),<br>B/W: 0 Lux with IR                                 |
| Shutter Time                | Auto/Manual (1/30 - 1/10000)                                                             |
| Day & Night                 | IR cut filter                                                                            |
| <b>Lens:</b>                |                                                                                          |
| Lens Type                   | Motorized Auto-Focus Lens, 2.7 to 13.5mm                                                 |
| Focal Length & FOV          | 2.7 to 13.5mm<br>FOV 28.56°(H), FOV 16.4°(V), FOV 33.7°(D)                               |
| Lens Mount                  | M16                                                                                      |
| <b>DORI:</b>                |                                                                                          |
| DORI                        | 2.7mm: D: 40 m, O: 26 m, R: 13 m, I: 7 m<br>13.5mm: D: 144 m, O: 120 m, R: 68 m, I: 34 m |
| <b>Illuminator:</b>         |                                                                                          |
| Supplement Light Range      | Up to 50 m                                                                               |
| IR Wavelength               | 850 nm                                                                                   |
| <b>Video:</b>               |                                                                                          |
| Streaming Capability        | Quad Streams                                                                             |
| Video Compression           | H.265/H.264                                                                              |
| Video Bit Rate              | 128Kbps ~ 8192Kbps                                                                       |
| Privacy Mask                | Up to 4 areas                                                                            |
| Bit Rate Control            | CBR, VBR                                                                                 |
| H.264/H.265 Profile         | Baseline Profile, Main Profile, High Profile                                             |
| Video Quality               | Ultra, High, Balanced, Standard, Economy                                                 |
| Scalable Video Coding (SVC) | AV1, H.264 and H.265.                                                                    |
| <b>Audio:</b>               |                                                                                          |
| Audio Compression           | AAC encode/decode (32KHz, 48KHz @192kbps)                                                |



|                             |                                                                                                                                                                                                                           |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                             | FW Audio Codec<br>ADPCM/G.711/G.726<br><br>AEC/ANR and ALC                                                                                                                                                                |
| Audio Bit Rate              | 64 Kbps                                                                                                                                                                                                                   |
| Audio Sampling Rate         | 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz                                                                                                                                                                                       |
| Noise Filtering             | Yes                                                                                                                                                                                                                       |
| <b>Network:</b>             |                                                                                                                                                                                                                           |
| Protocols                   | TCP/IPv4/IPv6, HTTP, HTTPS, QoS, DHCP, DNS, Email, RTP, RTCP, RTSP/RTSPs, SNMP, NTP, PPPoE, SMTP, NTP, TLS/SSL, SFTP, ICMP, IGMP, ARP, UDP, 802.1x, ONVIF                                                                 |
| Simultaneous Live View      | Up to 6 channels                                                                                                                                                                                                          |
| API                         | Open Network Video Interface (Profile S, Profile G, Profile T, Profile M), ISAPI, SDK, ISUP                                                                                                                               |
| User/Host                   | Up to 32 users<br>3 user levels: administrator, operator and user                                                                                                                                                         |
| Smooth Streaming            | Yes                                                                                                                                                                                                                       |
| Security                    | Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, all data, including sensitive data, is encrypted with AES 256 and RSA 2048 |
| Client                      | AVMX                                                                                                                                                                                                                      |
| Web Browser                 | Chrome, Mozilla, Firefox                                                                                                                                                                                                  |
| <b>Image:</b>               |                                                                                                                                                                                                                           |
| Image Parameter Switch      | Yes                                                                                                                                                                                                                       |
| Image Settings              | Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser                                                                                               |
| Day/Night Switch            | Day, Night, Auto, Schedule                                                                                                                                                                                                |
| Wide Dynamic Range (HDR)    | ≥ 140 dB                                                                                                                                                                                                                  |
| Signal to Noise Ratio (SNR) | ≥ 45 dB                                                                                                                                                                                                                   |
| Image Enhancement           | BLC, HLC, 3D DNR                                                                                                                                                                                                          |
| <b>Interface:</b>           |                                                                                                                                                                                                                           |
| Ethernet Interface          | 1x RJ45 10M/100M/1000M self-adaptive Ethernet port                                                                                                                                                                        |
| Onboard Storage             | Storage slot up to 1TB SD/SDHC/SDXC memory                                                                                                                                                                                |
| Microphone & Speaker        | Yes (Built-in)                                                                                                                                                                                                            |
| Alarm In/Out                | 1 Channel In / 1 Channel Out (Optional)                                                                                                                                                                                   |



## Event:

|             |                                                                                                                                                  |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Basic Event | Motion detection, Human and Vehicle, Video tampering alarm, Exception                                                                            |
| Linkage     | Upload to FTP/NAS/Memory card, send email, trigger recording, trigger capture, trigger alarm output, audible warning, notify surveillance center |

## Analytics

|                      |                                                                                                                                  |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Face Capture         | Yes                                                                                                                              |
| Perimeter Protection | Line crossing, intrusion, region entrance, region exiting Support alarm triggering by specified target types (human and vehicle) |

## General:

|                                  |                                                                                                                                                                                       |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AI Functions                     | Face Detection, Human Detection, People Counting, On-Duty Violation, Vehicle Detection, Vehicle Counting, Parking Violation, Line Crossing, Wrong-Side Vehicle Direction, Video Blind |
| Power                            | 12V DC $\pm$ 25%, 0.5 A, max. 6 W,<br>PoE: IEEE 802.3af/at, Class 3, max. 12W                                                                                                         |
| Material                         | Metal                                                                                                                                                                                 |
| Storage Conditions               | -30°C to +75°C                                                                                                                                                                        |
| Startup and Operating Conditions | -20°C to +65°C                                                                                                                                                                        |
| Humidity                         | 0 to 95% RH non-condensing                                                                                                                                                            |
| General Function                 | Anti-banding, mirror, privacy mask, flash log, password reset via email, pixel counter                                                                                                |
| Protection                       | IP67 and IK10 Except Front Glass                                                                                                                                                      |
| Certification                    | STQC Approved and BIS-ER Certified<br>ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, ISO/IEC 27001:2022, CE, FCC, RoHS                                                                |



\*Technical alterations reserved