



AVM157 (Indoor) AVM167 (Outdoor)

● OVERVIEW

Integrate 4 technologies of electronics, mechanism, optics and software, and we are proud to announce the presence of our innovative IR^{pro} camera series with all the confidence that these new product series will guide you to a new level of security surveillance.

● FEATURES

1. Smart Light Control (Dynamic adjustment for clear and accurate Image):

Clear and Sharp Image Without Over-exposure:

Compared with conventional IR cameras to use CDS sensor only for controlling IR light, IR^{pro} series products use both "CDS" and Image Comparison" method to judge whether IR LEDs should be activated for light compensation.

Longer IR LED Life:

Because of the effective control of IR LEDs and exclusive MCU design, the IR LED life is greatly extended and reduces the cost for using this camera.

2. Patent Mechanical IR Filter shift design (to get true color and clear images):

Daytime (True Color):

True color is presented for these IR camera series to receive the same visible light as human beings can see.

At night (Clear Image):

IR Filter is automatically shifted away for the CCD to receive Infrared light passing through the lens providing clear and better images. Besides, the sensor sensitivity and brightness are raised up compared with traditional IR cameras because of the usage of the large aperture lens.

3. Large Aperture Lens:

Large Amount of Light Passing Through Lens:

Equipped with large aperture (F1.4) lenses, the amount of light passing through the lens for these IR camera series are more than other normal cameras in the market.

Lower Power Consumption and Longer LED Life:

Because the light passing through the lens is large, IR LEDs do not need to be always on for night surveillance. This is not only reducing the power consumption, but also extending the IR LED life of the camera.

4. IR Effective Distance Over 20 Meters:

This camera series are designed to have different LED illuminated angles based on different aperture lenses.

5. Optimal IR Heat Treatment Solution

6. IP67 Dust and Moisture Protection

7. Line Lock Function to Avoid Color Rolling Effect (AVM157)

● SPECIFICATION

| MODEL | AVM157 | AVM167 |
|-----------------------------|--|------------|
| <i>Pick-up Element</i> | 1/3" SONY Color Super HAD CCD image sensor | |
| Number of Pixels | 510(H) x 492(V) <NTSC> / 500(H) x 582(V) <PAL> | |
| Resolution | Standard | |
| Min. Illumination | 0.25Lux / F1.4 (IR LED OFF) | |
| Effective Distance | 20m | |
| IR LED | 24 units | |
| S/N Rate | More than 48dB (AGC off) | |
| Lens | f4.0mm / f6.0mm / f8.0mm | |
| F-number | F1.4 | |
| Lens Angle | 80° / 56° / 42° | |
| Electronic Shutter | 1/60 (1/50) to 1/100,000 sec. | |
| Video Output | 1.0Vp-p composite, 75Ω | |
| IR LED Control | Smart Light Control | |
| D&N Filter Control | Built-in Auto IR Shifter | |
| Line Lock | YES | NO |
| Iris Mode | AES | |
| White Balance | ATW | |
| IP Rating | IP67 | |
| Power Source | AC100V ~ 240V ± 10% | DC12V |
| Power / Current Consumption | Max. 5W | Max. 400mA |
| Operating Temperature | -10 ~ 40 (14 ~104) | |
| Dimension (mm) | 112 (L) x 82 (W) x 75 (H) | |
| Net Weight | 598g | |

* The specifications are subject to change without notice.

** Dimensional Tolerance: ± 5mm