

1.0 Manufacturer

Merit LILIN ENT. Co. Ltd
No. 20, Wu-Kong 6 Rd.,
Wu-Ku Industrial Zone Wu-Ku District,
New Taipei City, Taiwan R.O.C.

2.0 Warranty

Manufacturer shall warrant the camera to be free from defects in material and workmanship for three years from the purchase date.

3.0 General Specifications

The camera shall be LILIN AHD702AX4.2.

Video Performance

- A. The camera shall have a minimum light requirement of 0.02 Lux at F1.4 in color mode.
- B. The camera shall have a minimum light requirement of 0 Lux with IR led on.

Power

- A. Power requirement for the camera shall be DC12V, 4.1W.

Infrared LED

- A. The camera shall support IR distance at 30m.
- B. The camera shall support peak wavelength at 850nm.
- C. The camera shall support beam spread at 30°.

Sensor

- A. The camera shall use the 1/2.9" CMOS image sensor.
- B. The camera shall produce a maximum resolution of 1,984 (H) × 1,105 (V).

Lens

- A. The camera shall support 2.8 - 12mm varifocal lens.
- B. The camera shall support F1.4 fixed iris.
- C. The camera shall support 91° - 28° horizontal angle of view.
- D. The camera shall support 67.5° - 21.2° vertical angle of view.
- E. The camera shall support 120.8° - 36° diameter angle of view.

Mechanical

- A. The camera shall not exceed a dimension of 82mm (W) x 72.5mm (H) x 154mm (D), Bracket: 101mm (L) approximately.
- B. The camera shall not exceed a weight of 545g approximately.
- C. The camera window shall be at least Φ65 heat resistant glass level.

Video Input / Output

- A. The camera shall provide AHD 1080P, AHD 720P and 1280H.

Environmental

- A. The camera shall be operated in temperature range of - 40°C – + 50°C / - 40°F – 122°F.

Video Resolutions

- A. The camera shall support 1920x1080@30 FPS.

IR-cut Filter

- A. The IR cut filter shall be able to support automatic switch from color mode to monochrome and auto selectable.

Scanning System

- A. The camera shall use a progressive scan image sensor.

UTC

- A. The UTC shall be able to support AHD-Coaxial protocol.

White Balance

- A. The camera shall provide the white balance settings including ATW, AWC, indoor, outdoor, manual, AWB.

Video Quality

- A. The camera is able to specify its shutter speed for min and max range 1/60s to 1/50000s for various environments.
- B. The camera shall support BLC and HSBLC.
- C. The camera shall support 2D WDR.
- D. The camera shall support 2D & 3D noise reduction.
- E. The camera shall support privacy mask up to 4 zones.
- F. The camera shall provide the sense up settings including off and auto (x2~x30).
- G. The camera shall support auto gain control up to 55dB.
- H. The camera shall support defog.

Languages

- A. The camera shall support English, Traditional Chinese, Simplified Chinese, Spanish, Italian, Turkish, German, Polish, Portuguese, Dutch, Russian, Korean, French, Arabic, Hebrew, Japanese languages.

System

- A. The camera shall provide NTSC and PAL system settings.

Certifications

- A. The camera shall be CE compliant.
- B. The camera shall meet IP66 standard against water and dust ingress.

4.0 Installation

- A. All equipments shall be tested and configured based on the manufacturer guide line prior to installation.
- B. All the products shall be updated for the latest firmware.
- C. All the products shall be changed for the default username and password prior to installation.

5.0 Environmental Green Policy

- A. The specified camera shall be manufactured in accordance with ISO 14001.
- B. The specified camera shall be compliant with the EU directives RoHS and WEEE.
- C. The specified camera shall be compliant with the EU regulation REACH.

END OF SECTION