

## 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 AHD702A6.

### Video Performance

- A. The camera shall have a minimum light requirement of 0.03 Lux at F1.8 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, 4.6W.

### 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 6mm fixed lens.
- B. The camera shall support F1.8 fixed iris.
- C. The camera shall support 46.5° horizontal angle of view.
- D. The camera shall support 34.5° vertical angle of view.
- E. The camera shall support 59.3° 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 530g 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