

## UA-CR510F2 5MP Super Low Lux IR Eyeball Dome Camera



- 1/2.7" progressive scan CMOS sensor
- IR distance up to 20 m (65 ft)
- Built-in microphone
- Ingress protection (IP66)
- 4 in 1 (TVI / AHD / CVI / CVBS)

UA-CR510F2 is an outdoor, 5 MP HD Analog Camera with an automatic IR-cut filter. It is built in 18 IR LEDs for day and night surveillance, with IR illumination reaching up to 20 m (65 ft). The camera adheres to IP66 standards and supports a 4-in-1 video output (TVI / AHD / CVI / CVBS). Integrated with USAVision Standalone Video Recorder (UA-XVL810, UA-XVL1610 and UA-XVR810), it supports real-time alert, event playback and more.

### Specifications

| Video                     |       |                                                                                      |
|---------------------------|-------|--------------------------------------------------------------------------------------|
| Imaging Device            |       | 1/2.7"                                                                               |
| Scanning System           |       | Progressive CMOS                                                                     |
| Min. Illumination         | Color | 0.05 Lux @ F1.2 (AGC ON)                                                             |
|                           | B/W   | 0 Lux                                                                                |
|                           | IR ON | 0 Lux                                                                                |
| Video Output              |       | TVI/AHD/CVI/CVBS                                                                     |
| Lens Type                 |       |                                                                                      |
| Lens Type                 |       | Fixed                                                                                |
| Focal Length (Zoom Ratio) |       | 2.8 mm                                                                               |
| Maximum Aperture          |       | F/1.6                                                                                |
| Mount                     |       | M12                                                                                  |
| Field of View             |       | Horizontal: 111.4°, Vertical: 58.8°, Diagonal: 134°                                  |
| Operation                 | Focus | Fixed                                                                                |
|                           | Zoom  | Fixed                                                                                |
|                           | Iris  | Fixed                                                                                |
| Operational               |       |                                                                                      |
| Resolution                |       | 5MP: 2592 (H) x 1944 (V)                                                             |
| Max. Frame Rate           |       | AHD / TVI: 5 MP @20 fps<br>AHD / CVI / TVI: 4MP, PAL@25fps, NTSC@30fps<br>CVBS: 960H |
| IR LED Quantity           |       | 18 IR LEDs                                                                           |
| Max. IR Distance          |       | 20 m (65 ft)                                                                         |
| Day/Night Mode            |       | Color / B&W / EXT                                                                    |
| Backlight Compensation    |       | Off / User BLC                                                                       |
| Digital Noise Reduction   |       | 2D DNR                                                                               |
| Gain Control              |       | Auto                                                                                 |
| White Balance             |       | ATW                                                                                  |

|                         |              |                                                                                                                                                    |
|-------------------------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Flip/Mirror             |              | Flip/Rotate/Mirror                                                                                                                                 |
| Image Setting           |              | Exposure Mode, AGC, Day&Night Mode, Image Mode, AWB, Bright, Contrast, Saturation, Sharpness, NR (2D Noise Reduction), Flip, Mirror, Rotate, Reset |
| Language                |              | English/Spanish/French/Japanese                                                                                                                    |
| <b>Mechanical</b>       |              |                                                                                                                                                    |
| Camera Angle Adjustment | Pan          | 0° ~ 360°                                                                                                                                          |
|                         | Tilt         | 0° ~ 80°                                                                                                                                           |
|                         | Rotate       | 0° ~ 360°                                                                                                                                          |
| Connectors              | Power        | DC jack                                                                                                                                            |
|                         | Video Output | 1 channel BNC                                                                                                                                      |
|                         | Audio        | 1 in (built-in microphone)<br>* The built-in microphone is only activated in TVI video output.                                                     |
| <b>General</b>          |              |                                                                                                                                                    |
| Operating Conditions    |              | -30 ~ 55°C (-22°F ~ 131°F)/less than ≤ 95% RH                                                                                                      |
| Storage Conditions      |              | -30 ~ 60°C (-22°F ~ 140°F)/less than ≤ 95% RH                                                                                                      |
| Power Source            |              | 12V DC, 1A                                                                                                                                         |
| Power Consumption       |              | IR OFF ≤ 1W, IR ON ≤ 4W                                                                                                                            |
| Color/Material          |              | Metal                                                                                                                                              |
| Dimension (L × W × H)   |              | Ø 100 x 90 mm (Ø 3.9" x 3.5")                                                                                                                      |
| Weight                  |              | 410 g (0.90lb)                                                                                                                                     |
| Ingress Protection      |              | IP66                                                                                                                                               |
| Regulatory              |              | FCC, RoHS compliant                                                                                                                                |

**Note:** Product design and specifications are subject to change without notice.

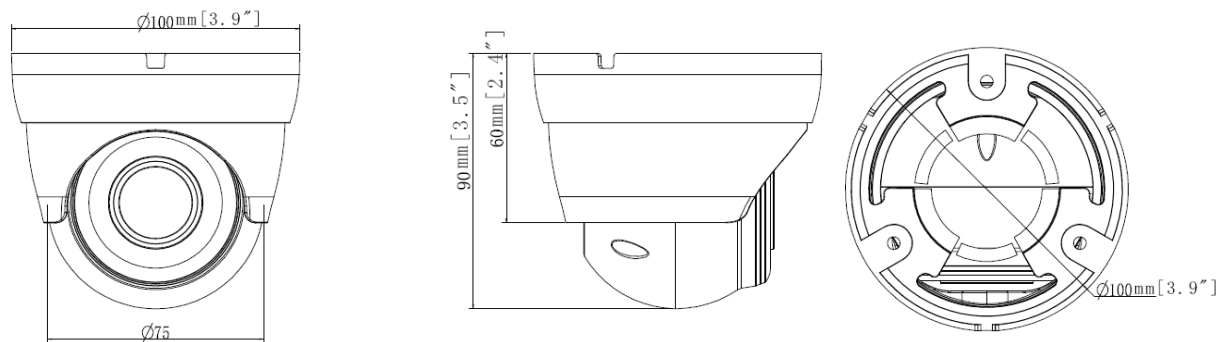
## USAVision Products Supported

- Standalone Video Recorder: UA-XVL810 / UA-XVL1610 / UA-XVR810

## Packing List

1. UA-CR510F2
2. Screw Kit
3. Drill Template Paster
4. Download Guide

## Dimensions



## Accessories

| Model No.   | Name                    |                                                                                     | Details                                                                                                       |
|-------------|-------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| UA-Mount215 | Wall Mount Bracket      |    | Dimensions: 155 x 75 x 132 mm<br>(6.1" x 2.95" x 5.2")<br>Weight: 0.62 kg (1.37 lb)                           |
| UA-Mount505 | Wall Box Mount          |   | Dimensions: $\varnothing 100.5 \times 56$ mm ( $\varnothing 3.96" \times 2.2"$ )<br>Weight: 0.46 kg (1.01 lb) |
| UA-Mount922 | Power Box Mount Bracket |  | Dimensions: $\varnothing 148.00$ mm ( $\varnothing 5.83"$ )<br>Weight: 180 g (0.4 lb)                         |