



## Analog high-definition camera

# CA1

### Specification<sub>(v1.0)</sub>



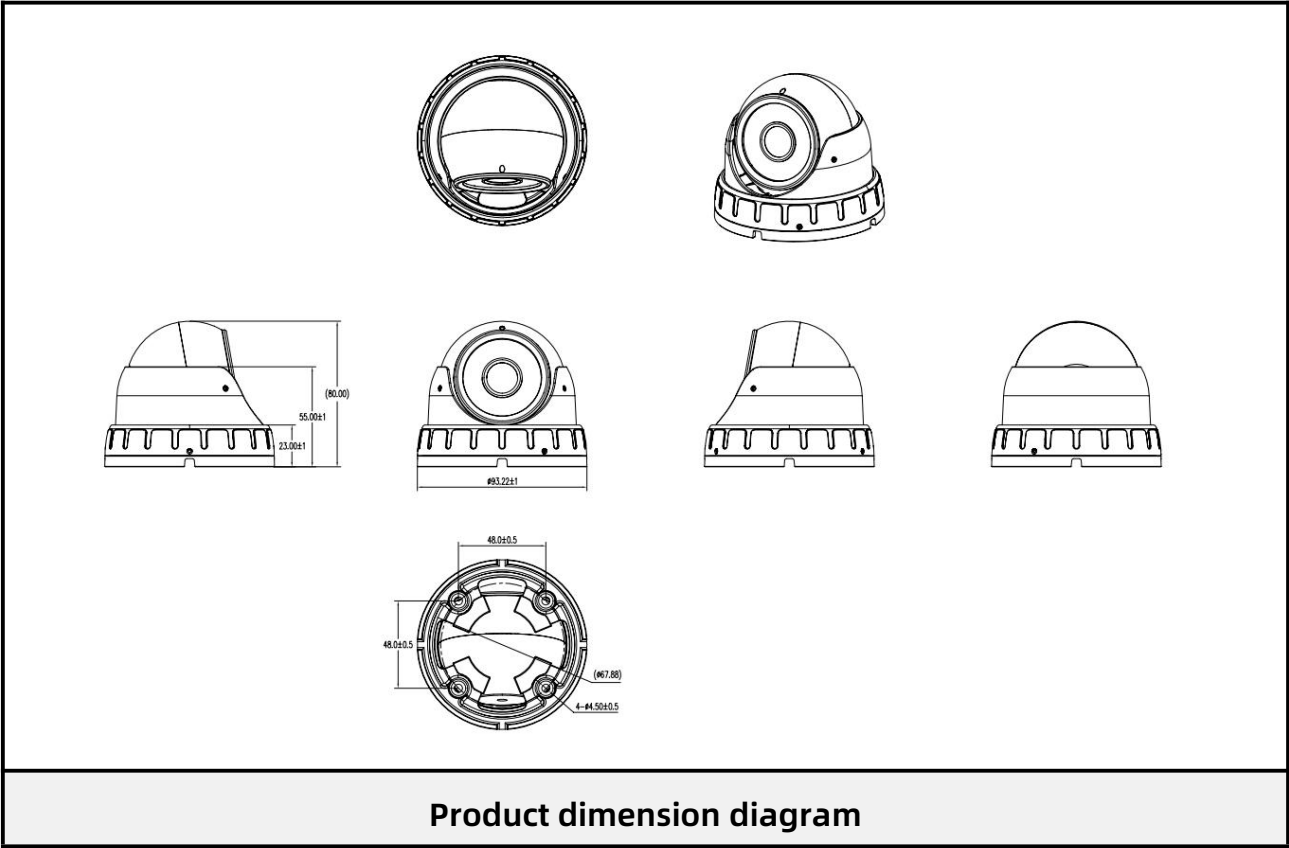
- 1/2.8" 2.13MP CMOS sensor
- 0.05 Lux minimum illumination (color)
- IR range up to 8 m for enhanced night vision
- Spherical ceiling mount design for flexible installation
- Tamper-proof screws for vehicle-grade vibration resistance
- Auto electronic shutter adapts to lighting changes

## Specification

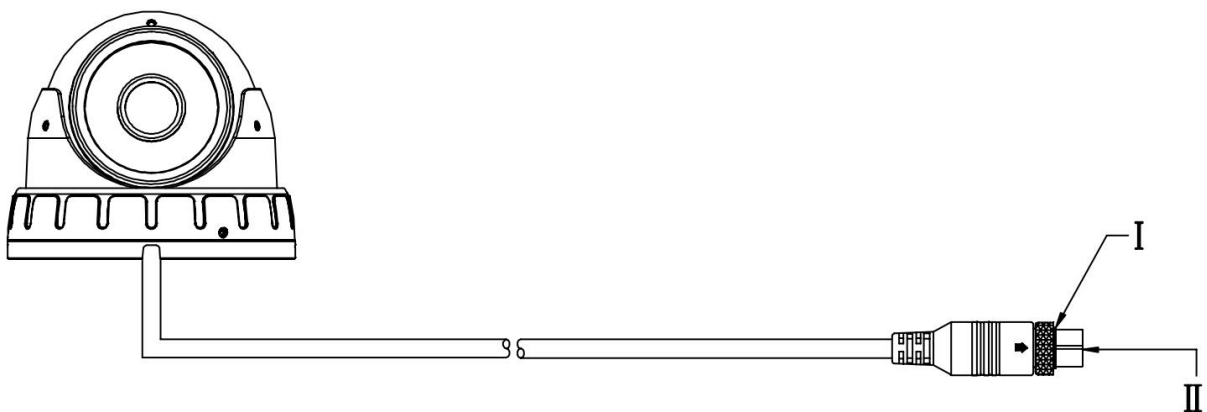
| Name                       | Parameter                                         |
|----------------------------|---------------------------------------------------|
| Product model              | CA1                                               |
| Product Type               | SVT-A6320C                                        |
| Sensor Type                | 1/2.8 " 2.13M pixel CMOS                          |
| Resolution                 | 1920H*1080V                                       |
| Lens/FOV<br>(Deviation±5°) | 2.1mm /HFOV: 145° VFOV: 80° DFOV: 160°            |
|                            | 2.8mm /HFOV: 106° VFOV: 58° DFOV: 120°            |
|                            | 3.6mm /HFOV: 88° VFOV: 50° DFOV: 100°             |
|                            | 6mm /HFOV: 55° VFOV: 32° DFOV: 65°                |
| Video Signal System        | PAL/ NTSC                                         |
| Signal to Noise Ratio      | ≥ 50dB                                            |
| Day Night Conversion Mode  | ICR automatic conversion                          |
| Minimum Illumination       | 0 lux(IR ON)/0.05lux(Color)                       |
| IR Detection Range         | 10m-15m                                           |
| Electronic Shutter         | 1/25 second to 1/25000 second (automatic shutter) |
| Installation Method        | Lifting                                           |
| Scanning System            | Progressive scanning                              |
| Synchronization            | Internal synchronization                          |
| White Balance              | ATW                                               |
| Gain control               | Supported                                         |
| 3D noise reduction         | Supported                                         |

|                               |                                                        |
|-------------------------------|--------------------------------------------------------|
| <b>Backlight Compensation</b> | Supported                                              |
| <b>Video Output</b>           | 1.0Vp-composite video output, 75 ohms                  |
| <b>Voltage</b>                | DC 9-16V                                               |
| <b>Power Consumption</b>      | < 2.6W (on) ±5% / < 1.2W (off) ±5%                     |
| <b>Operation Temperature</b>  | -40°F ~ 158°F (-40°C ~ 70°C)                           |
| <b>Operation Humidity</b>     | ≤90% (No condensation)                                 |
| <b>Storage Temperature</b>    | -40°F ~ 185°F (-40°C ~ 85°C)                           |
| <b>Product Dimension</b>      | L93mm × W93mm × H80mm<br>(L3.66" × W3.66" × H3.15")    |
| <b>Package Dimension</b>      | L110mm × W110mm × H110mm<br>(L4.33" × W4.33" × H4.33") |
| <b>Net weight</b>             | 310g (0.68 lb)                                         |
| <b>Gross weight</b>           | 380g(0.84 lb)                                          |

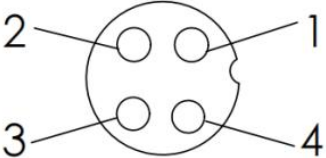
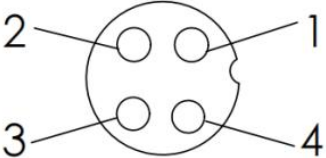
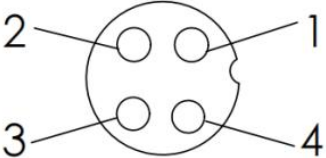
# Dimension Diagram



# Cable Details



Standard four core aviation cable - default 0.5 meters (tail length)

| No.                                                                               | Name           | Description                                                                                                                                                                                                                                                                                                                            |            |     |      |                                                                                   |   |           |   |            |   |     |   |           |
|-----------------------------------------------------------------------------------|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----|------|-----------------------------------------------------------------------------------|---|-----------|---|------------|---|-----|---|-----------|
| I                                                                                 | Red waterproof | Red 8*1.5*5 rubber ring                                                                                                                                                                                                                                                                                                                |            |     |      |                                                                                   |   |           |   |            |   |     |   |           |
| II                                                                                | Video Outputs  | <table> <tr> <th>Line order</th><th>No.</th><th>Name</th></tr> <tr> <td rowspan="4">  </td><td>1</td><td>12VDC (+)</td></tr> <tr> <td>2</td><td>12VGND (-)</td></tr> <tr> <td>3</td><td>N/A</td></tr> <tr> <td>4</td><td>AHD VIDEO</td></tr> </table> | Line order | No. | Name |  | 1 | 12VDC (+) | 2 | 12VGND (-) | 3 | N/A | 4 | AHD VIDEO |
| Line order                                                                        | No.            | Name                                                                                                                                                                                                                                                                                                                                   |            |     |      |                                                                                   |   |           |   |            |   |     |   |           |
|  | 1              | 12VDC (+)                                                                                                                                                                                                                                                                                                                              |            |     |      |                                                                                   |   |           |   |            |   |     |   |           |
|                                                                                   | 2              | 12VGND (-)                                                                                                                                                                                                                                                                                                                             |            |     |      |                                                                                   |   |           |   |            |   |     |   |           |
|                                                                                   | 3              | N/A                                                                                                                                                                                                                                                                                                                                    |            |     |      |                                                                                   |   |           |   |            |   |     |   |           |
|                                                                                   | 4              | AHD VIDEO                                                                                                                                                                                                                                                                                                                              |            |     |      |                                                                                   |   |           |   |            |   |     |   |           |