

## Aurora AIC-SB4F2-LAB5 Solar Bullet Camera Kit

### 4G Solar-powered 4MP Bullet Camera

- ▶ Great image in 4MP (2688\*1520)
- ▶ All-in-one kit, 4G connectivity and solar energy for a fully wireless solution
- ▶ 9 Days Battery Life Guaranteed
- ▶ Intelligent Energy-saving Operation Mode
- ▶ Advanced AI algorithms
- ▶ Rugged and sturdy waterproof design



## SPECIFICATIONS

## CAMERA

### Image Sensor

- 1/2.8", CMOS

### Minimum Illumination

- Color: 0.005Lux @F1.6
- B/W: 0Lux with IR on

### Shutter Time

- 1/100000s~1s

### WDR

- 120dB

### Day / Night

- Day/Night/Auto/Customize/Schedule

### Lens

- Focal Length: 2.8 mm
- Horizontal field of view: 111°
- Vertical field of view: 61°
- Diameter field of view: 128°

### Illuminator

- Illumination Distance (IR): 20 m (65.62 ft)

## VIDEO

### Video Compression

- H.265/H.264

### Video Streaming

- Double Streams

### Resolution

- 4 MP

### Image Settings

- Brightness, Contrast, Saturation, Sharpness, Privacy Mask (4 areas), ROI (8 areas), CBR/VBR Adjustable, BLC, HLC, 2D DNR, 3D DNR, Defog, AWB, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur

## Frame Rate

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- M\_Stream: 60Hz: 15fps@(2688\*1520, 2304\*1296, 1920\*1080, 1280\*720)  
50Hz: 12fps@(2688\*1520, 2304\*1296, 1920\*1080, 1280\*720)
- Sub\_Stream: 60Hz: 15fps@(1280\*720, 704\*576, 640\*480)  
50Hz: 12fps@(1280\*720, 704\*576, 640\*480)

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## AUDIO

### Audio Streaming

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- Two-way Audio

### Audio IN/OUT

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- 1/1

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## NETWORK

### Wireless Network

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- WLAN: 802.11n/802.11g
- Cellular: 4G LTE  
LTE-FDD (B2/4/5/12/13/14/66/71)
- SIM Card: Nano SIM

### Compatible Integration

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- ONVIF (Profile S, Profile G, Profile T, Profile M), API

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## SYSTEM INTEGRATION

### Analytics

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- Intrusion Detection, Line Crossing, Object Left, Advanced Motion Detection, Tamper Detection, Human/Vehicle Classification (Bicycle/Car/Motorcycle/Bus/Truck)

### Events

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- Analytics, External Input, etc.

### Event Action

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- HTTP Post, FTP Upload, SMTP Upload, SD Card Record, External Output, etc.

## GENERAL

### Protection Certificate

- IP67
- Wind Resistance: Level 12 (Hurricane-force)
- Surge Protection: 4KV

### Connectors

- Alarm I/O: 1/1
- Audio I/O: 1/1
- Network: 1 × RJ45 10M/100M Ethernet
- 1x RS-485

### Storage

- microSD/SDHC/SDXC Local Storage, up to 1TB

### Operating Conditions

- Working Temperature:
  - Charging: -20 °C to 45 °C (-4 °F to 113 °F)
  - Discharging: -20 °C to 60 °C (-4 °F to 140 °F)
- Humidity: 0~95% (Non-condensing)

### Power

- DC 12V±10%
- Power Consumption:
  - Sleep Mode: 0.19 W
  - Basic: 1.71 W (Event + 4G Module OFF)  
1.65 W (Event + 4G Module OFF + Dynamic FPS On)
  - Max: 3.89 W (Illuminator + Event + 4G streaming ON)

### Warranty

- Aurora 3-year warranty

### Approvals

- EMC
  - CE-EMC (EN 55032, EN 55035)
  - FCC (PART 15B)
  - RCM (AS/NZS CISPR 32)
- Safety
  - CE-LVD (EN IEC 62368-1)
  - RCM (AS/NZS 62368.1)
- FR
  - CE-RED (EN 300 328, EN301489-1, EN301489-17, EN 62133)
  - FCC (Part 15.247)
  - RCM (AS/NZS 4268, AS/CA S042.1, AS/CA S042.4, AS/NZS 2772.2)
  - Telec (MIC Item 19 of Article 2 Paragraph 1)
- Environment:
  - CE-ROHS (Directive (EU) 2015/863 amending 2011/65/EU)

### Weight

- Camera: 2.2 Kg

### Dimensions (L \* W \* H)

- Camera: 120\*120\*260 mm

### Other Option

- Built-in High-accuracy GPS Module

## CHARGE

### PV Power

- 100 W

### PV Input Voltage

- 18 V

### Material

- Monocrystalline silicon

## ENERGY STORAGE

### Battery Type

- NMC

### Total Energy

- 555Wh

### Deep Cycles

- >1000

### Battery Capacity

- 50AH

### Battery Life

- 9 days (without data transmission),
- 6 days (with data transmission)

### Nominal Voltage

- 11.1V

### Working Voltage Range

- 9~12.4 V DC

## DISCHARGE

### Output Voltage

- 9~12.6 V DC

### Maximum Output Current

- 10A

### Discharge Depth

- 95%DOD

## FUNCTION

### Communication

- RS485

### Battery Heating

- Charging current > 2A and lower than -5°C turns on

### Protection Type

- Overcurrent/Overvoltage/Short Circuit/  
Under voltage/ Temperature

### Charging Temperature Range

- 0°C~60°C

### Discharging Temperature Range

- -20°C~65°C

### Status Indicator

- LED (charging status, battery status, output status)

## GENERAL PARAMETERS

### Output Method

- M12 5-pin Connector

### Waterproof

- IP66

### Cooling Method

- Natural Heat Dissipation

### Shell Material

- Galvanized Steel + Plastic

### Product Dimensions

- 765\*630\*69 mm
- 825\*690\*105 mm (with Package)

### Certificate

- UN38.3/MSDS/CE/ROHS

### Output Line Length

- 1.5m

### Humidity Range

- 4-100% (no condensation)

### Hazardous Material Classification

- 9

### Fixed Way

- Hanging Rod / Wall Mounting

### Weight

- 13 kg