# Solar-powered Security Camera Setup

## Flexible Security, Environmental Sustainability

Solar-powered Security Camera Setup

<table>
<thead>
<tr>
<th>Series</th>
<th>Advanced Series</th>
<th>Standard Series</th>
<th>Basic Series</th>
</tr>
</thead>
<tbody>
<tr>
<td>Camera</td>
<td>Model DS-2XS6A87G1-C32S80</td>
<td>Model DS-2XS2T47G0-LDH/C18S40</td>
<td>Model DS-2XS2T47G0-L/C18S40</td>
</tr>
<tr>
<td>Battery</td>
<td>8 MP 320 WH 80 W -20 to 60°C</td>
<td>4 MP 180 WH 40 W -20 to 55°C</td>
<td>4 MP 180 WH 40 W -20 to 55°C</td>
</tr>
<tr>
<td>Working temperature</td>
<td>Up to 7 days</td>
<td>Up to 4.5 days</td>
<td>Up to 2 days</td>
</tr>
<tr>
<td>Default mode</td>
<td>Proactive mode</td>
<td>Proactive mode</td>
<td>Shunting mode</td>
</tr>
<tr>
<td>Smart functions</td>
<td>Motion detection and human/vehicle classification with AcuSense</td>
<td>Motion detection and PIR detection</td>
<td>PIR detection</td>
</tr>
<tr>
<td>Weight</td>
<td>20 kg 8.5 kg 1.2 kg</td>
<td>8.5 kg 1.2 kg</td>
<td>N/A</td>
</tr>
<tr>
<td>Time required for full charge (25°C)</td>
<td>Up to 2 days</td>
<td>Up to 3.5 days</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### Model Selection Guide

- **Appearance**
  - Solar panel

- **Model**
  - Series: Advanced
  - Model: DS-2XS6A87G1-C32S80
  - Series: Standard
  - Model: DS-2XS2T47G0-LDH/C18S40

- **Battery life in cloudy /rainy days (25°C)**
  - **Proactive mode**
    - Series: Advanced
      - Model: DS-2XS6A87G1-C32S80: Up to 7 days
      - Model: DS-2XS2T47G0-LDH/C18S40: Up to 4.5 days
    - Series: Standard
      - Model: DS-2XS2T47G0-LDH/C18S40: Up to 2 days

### Mode and Calculation

- **Proactive mode:**
  - Continuous recording on; IR/white light on for 30% (about 6 hours); 4G module keeps heartbeat only; PIR and motion detection on; 10 manual wake-ups with 3-minute view each time; 30 events triggered.

- **Standby mode:**
  - Up to 0.75 days

*The statistics are based on tests in Hangzhou, China, (about 31° N latitude) in April 2021.*

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The solar-powered camera setups feature three optional modes. Users can select the most beneficial mode based on the required level of protection.

- **Performance Mode**: 24/7 video recording and data transmission
- **Proactive Mode**: 24/7 video recording, event-triggered data transmission
- **Standby Mode**: Event-triggered video recording and data transmission only

Did you know? One 12-Watt security camera consumes up to 104 kWh of power a year. That’s about all the energy taken by a seed to grow into a one-year-old tree. Our solar-powered camera setups operate with self-generated green energy. This way, we can reserve energy to make the environment greener.

By delivering innovative security features with a smaller footprint, the camera setups help Hikvision installers and distributors to sell more and deliver more for their customers.

Solar-powered camera setups are extremely simple to install and configure, so installers can begin delivering these new products with minimal training.

Comprised of a camera module, a power module, a communications module, and an installation bracket, a solar-powered security camera setup has everything needed to work on its own. No power or Ethernet cables required.

Select models of the solar-powered camera setups support Hikvision’s ColorVu technology in up to 4K resolution, rendering vivid colors even in darkness. Aside from regular video monitoring, these camera setups also provide intelligent functions – they stay alerted to events using PIR, motion detection, or AI-powered perimeter protection.

Start expanding security while reducing the footprint today!

**What is a solar-powered camera setup?**

- **Camera with a 4G SIM card slot**
- **Solar panel**
- **Rechargeable battery**
- **Bracket**
- **Junction box**

- Different models of camera setups may have slightly different structural design.

**How do they work?**

The ability to work totally wirelessly means that users can now extend video security to places where power supplies and Ethernet cables cannot reach. They are well-suited for the protection of farms, forests, highways, and more. A fully-charged battery supports 24/7 camera operation in the performance mode for up to 5 days, and for up to 80 days in a less active mode. The battery gets charged even in cloudy or rainy days, so users can rest assured about power supply.

**What benefits do they provide?**

- **24/7 protection extended for away from power sources**
- **Efficient power utilization & reliable performance**
- **Excellent imaging in ultra-low-light**
- ** Intelligent event detection**
- **Easy and flexible deployment**
- **Operates stably in virtually any weather condition**

With their lightweight, wireless design and handy pole-mount bracket, the camera setups can be installed without mechanical equipment. Their great mobility makes them perfect for temporary installations such as road maintenance, music festivals, open-air markets, and more. The camera setups are built sturdy and stable and are resistant to water (IP67), wind (Beaufort scale up to 12), and corrosion (NEMA 4X). They operate in extreme weather such as strong winds and rainstorms, or at temperatures as low as -20° C (-4° F).

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