


# Mobile solar 4G-LTE wireless cloud video surveillance system

## Customized tripod universal solar panel mount



- Adjustable 360 degree horizontal angle
- Adjustable 60 degree vertical angle
- Support 30W ~ 150W solar panel mounting bracket installation



System	No	Equipment name	IOP-USSS-1212-45W2A-1DIP With 1pcs 45W solar panel	IOP-USSS-1212-45W2A-2APS With 2pcs 45W solar panel
Mobile solar system	1	<b>Support system operating hours</b> <ul style="list-style-type: none"> <li>■ With IOP-USSS-1212-07A (11.6Ah 148WH)</li> <li>■ Need to increase the support time, can be equipped with 23~46Ah batteries</li> </ul> 	<ul style="list-style-type: none"> <li>■ No power environment: sunny days, 365 days of continuous operation</li> <li>■ No power environment: rainy days, continuous operation for 1.5 days</li> </ul>	<ul style="list-style-type: none"> <li>■ No power environment: sunny days, 365 days of continuous operation</li> <li>■ No power environment: rainy days, continuous operation for 2 days</li> <li>■ With power supply environment: DAPS parallel protector can be used to implement the parallel connection of mains and solar energy to automatically select the backup power supply mechanism</li> <li>■ Use backup battery for boost charging: It can be matched with BBVC boost power supply protector, and through other backup batteries, the Solar DC UPS can be charged.</li> </ul>

	2	<ul style="list-style-type: none"> <li>45W/23V/2A solar panel</li> <li><b>IOP-OSPSC-045230201</b></li> </ul>	1Pcs (In sunny days, the power output per hour is about 36W/H) Solar power is directly connected to Solar DC UPS for charging	2Pcs (In sunny days, the power output per hour is about 64W/H) It can be expanded to 3 pieces at most, and it needs to be connected in parallel with DAPS
	3	<ul style="list-style-type: none"> <li>Customized tripod universal solar panel mount</li> <li><b>IOP-K306-5BD8-45</b></li> </ul>	1Unit	2 Unit
	4	<ul style="list-style-type: none"> <li>Special tripod for carrying 50Kg (including assembly peripheral accessories)</li> <li><b>IOP-K306-5BD8-1A1</b></li> </ul>	1 Unit	1 Unit
	5	<ul style="list-style-type: none"> <li>Outdoor automatic selection of power supply in parallel to import protector</li> <li><b>IOP-DAPS-I3018A-1</b></li> </ul>	0	1Pcs <b>Can perform automatic backup power supply in parallel between mains and solar power</b>
	6	<ul style="list-style-type: none"> <li>Special high temperature and explosion-proof mobile DC UPS system for solar energy</li> <li><b>IOP-USSS-1212-07A (11.6Ah 148WH=888VA)</b></li> </ul>	1Pcs	1Pcs
	Cloud monitoring system	1	<ul style="list-style-type: none"> <li>VPN cloud webcam</li> <li>200MP(1920x1080)/IR-30M/IP67/DC12V</li> </ul>	1~2Pcs 4G wireless router can support up to LAN Port *2
2		<ul style="list-style-type: none"> <li>Cloud recording platform - 1 year/2 years lease</li> <li>7 days/15 days/30 days/180 days loop recording</li> </ul>	1	1
3		<ul style="list-style-type: none"> <li>Interface software, support iRoad road management system platform</li> <li>(Optional plan)</li> </ul>	1 (Optional plan)	1 (Optional plan)
4G-LTE Wireless router system	1	<ul style="list-style-type: none"> <li>4G-LTE industrial-grade wireless router</li> <li>LTE transmission rate: Cat4, 150Mbps (DL), 50Mbps (UL)</li> <li>WiFi AP: IEEE 802.11 b/g/n</li> <li>GPS: with 100cm magnet-attached antenna</li> </ul>	1Unit	1Unit
	2	<ul style="list-style-type: none"> <li>4G/5G IP69 industrial router waterproof box</li> <li><b>IOP-5GRG-69B02</b></li> </ul>	1Pcs	1Pcs
	3	<ul style="list-style-type: none"> <li>Special 150cm magnet adsorption outdoor metal antenna</li> </ul>	2Pcs	2Pcs

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System integration application	1	<ul style="list-style-type: none"> <li>■ DAPS outdoor automatically selects the power supply in parallel and imports the protector <b>IOP-DAPS-I3018A-1</b></li> </ul> 	<ul style="list-style-type: none"> <li>■ Construction site</li> <li>■ Road excavation</li> <li>■ Traffic police</li> <li>■ Police Station/Police Station</li> <li>■ One-day mobile video monitoring at the temporary event site <b>(Weddings, concerts, demonstrations, video presentations...)</b></li> </ul>	<ul style="list-style-type: none"> <li>■ River Bureau/Forest Bureau</li> <li>■ Environmental Protection Bureau (video of stealing trash proof)</li> <li>■ National Security Unit/Fire and Disaster Relief Unit</li> <li>■ Multi-day event recording and monitoring application</li> <li>■ With DAPS parallel protector, it can automatically select the backup power supply mechanism for parallel connection of mains and solar energy <b>(mains must be converted to direct current through a transformer)</b></li> </ul>
	2	<ul style="list-style-type: none"> <li>■ BBVC outdoor automatic buck-boost converter <b>IOP-DBBV-I12020-1</b></li> </ul> 		<ul style="list-style-type: none"> <li>■ <b>It can be equipped with BBVC boost power supply protector to charge Solar DC UPS through other backup batteries, which is especially suitable for power outage backup power supply applications in typhoon days</b></li> </ul>