



# User Manual

Code: APTI-W21S4-TUYA-S2

SOLAR IP CAMERA, PTZ OUTDOOR **APTI-W21S4-TUYA-S2** Wi-Fi, Tuya Smart - 3 Mpx 3.6 mm

## Warning!

Please read the user manual included in this work as it contains important information related with safety of installation and use of the device.

Only persons who read the user manual may use the device.

The user manual must be kept because it may be required in the future. The device is to be used exclusively for purposes specified in this user manual.

The device must be unpacked prior to starting-up. After removing the packaging make sure the device is in working order.

If the product has defects, it should not be used until it is repaired.

The product is intended for use at home and commercial use and may not be used for other than intended use.

The manufacturer is not liable for damages resulting from not adhering to the rules contained in the user manual, therefore, we recommend to follow the aforementioned safety rules for operation and maintenance of the device. In this way you will ensure yourself safety and avoid causing damage to the device.

The manufacturer and the supplier are not liable for losses or damages arising out of the product, including financial or intangible losses, loss of profits, income, data, pleasure from use of the product or other products related with it - indirect, incidental or consequential loss or damage. The above provisions apply whether the loss or damage concerns:

1. Deterioration of quality or the lack of operation of the products or products related with it due to damage as well as the lack of access to the product when it is undergoing repair, which results in stoppage the loss of user's time or a break in business activity;
2. Improper results of operation of the product or products related with it;
3. It applies to losses and damages according to any legal category, including negligence and other losses, termination of a contract, expressed or implied guarantee and strict liability (even if the manufacturer or the supplier was notified about the possibility of occurrence of such damages).

### Safety measures:

Particular attention at designing was directed to quality standards of the device where ensuring safety of operation is the most important factor.

The device must be secured against contact with caustic, staining and viscous fluids.

The device was designed in such a way that it restarts operation when power supply is restored after a break.

**Attention! We recommend using protections to further protect the device from possible overvoltages in installations. Surge protectors are effective protection against accidental pass to the device voltages higher than the rated. Damages caused by pass the voltages higher than specified in manual, are not under warranty.**

Turn off the device before transporting it.

Prior to connecting the device to a power source check whether the supplied voltage is consistent with rated voltage specified in the user manual.

### Proper product disposal:

A marking of a crossed out waste bin indicates that the product may not be disposed together with other household waste in the entire EU. To avoid possible damage to the natural environment of health due to uncontrolled waste disposal, therefore, it should be handed over for recycling, propagating in this way sustainable use of natural resources.

To return a worn-out product, use a collection and disposal system of this type of equipment or contact a seller from whom it was purchased. He will then be recycled in an environmentally-friendly way.

The cameras cooperating with the user-friendly Tuya platform have been designed with special care to simplify the configuration process and enable the user to create a simple and effective monitoring system.

The free Tuya Smart application will send a notification to your phone when the sensors in the camera detect movement or sound, and you can control the device at any time, regardless of where you are - all you need is Internet access and a smartphone.

Tuya Smart application works perfectly with Google Assistant, Amazon Alexa and many others, which allows you to control connected devices using voice commands. The additional Video IPC streaming service enables the display of images from cameras and ringtones, e.g. on a TV screen.

**Attention!** Devices cooperating with the Tuya platform do not have a WEB interface. The camera works only with the mobile application (the camera does not work with recorders). Controlling the device and schedule settings is possible if the device has access to the Internet.

Camera is according to IP66 Index of Protection norm.



Standard:	TCP/IP
Sensor:	1/2.8 " Progressive Scan CMOS
Matrix size:	3 Mpx
Resolution:	2304 x 1296 - 3 Mpx
Lens:	3.6 mm
View angle:	<ul style="list-style-type: none"> <li>• 76 ° (manufacturer data)</li> <li>• 81 ° (our tests result)</li> </ul>
Range of IR illumination:	30 m
White light LED illuminator range:	15 m
Horizontal rotation range:	0 ° ... 355 ° Rotation of the head is limited by stops
Vertical rotation range:	0 ° ... 90 °
Audio:	<ul style="list-style-type: none"> <li>• Microphone built-in,</li> <li>• Speaker built-in,</li> <li>• Audio transmission via network,</li> <li>• Bi-directional audio streaming support</li> </ul>
Main stream frame rate:	15 fps @ 3 Mpx
ONVIF:	—
WEB Server:	—



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Network interface:	Wi-Fi
Mobile phones support:	Access by a cloud (P2P) <ul style="list-style-type: none"><li>• The <a href="#">Tuya Smart</a> free application on Android</li><li>• The <a href="#">Tuya Smart</a> free application on iOS</li></ul>
Default IP address:	DHCP
Web browser access ports:	—
PC client access ports:	—
Mobile client access ports:	—
Port ONVIF:	—
RTSP URL:	—
Memory card slot:	Micro SD memory cards up to 64GB support (possible local recording)
Main features:	<ul style="list-style-type: none"><li>• Cooperation of the Tuya Smart application with Google Assistant, Amazon Alexa</li><li>• USB-C socket</li><li>• RESET button</li><li>• Solar Panel : 10 W, Length of the cable : 2.8 m</li></ul>
Power supply:	<ul style="list-style-type: none"><li>• Li-Ion battery - 4 pcs 18650,</li><li>• Solar Panel : 10 W,</li><li>• 5 V DC / 1 A - USB-C socket (power adapter not included)</li></ul>
Housing:	Mini Speed Dome, Plastic
Color:	White
"Index of Protection":	IP66
Weight:	<ul style="list-style-type: none"><li>• Camera : 0.66 kg</li><li>• Solar Panel : 0.46 kg</li></ul>
Dimensions:	<ul style="list-style-type: none"><li>• Camera : 187 x 115 x 193 mm</li><li>• Solar Panel : 290 x 178 x 15 mm</li></ul>
Operation temp:	-10 °C ... 60 °C
Supported languages:	English
Guarantee:	2 years

Rear view:



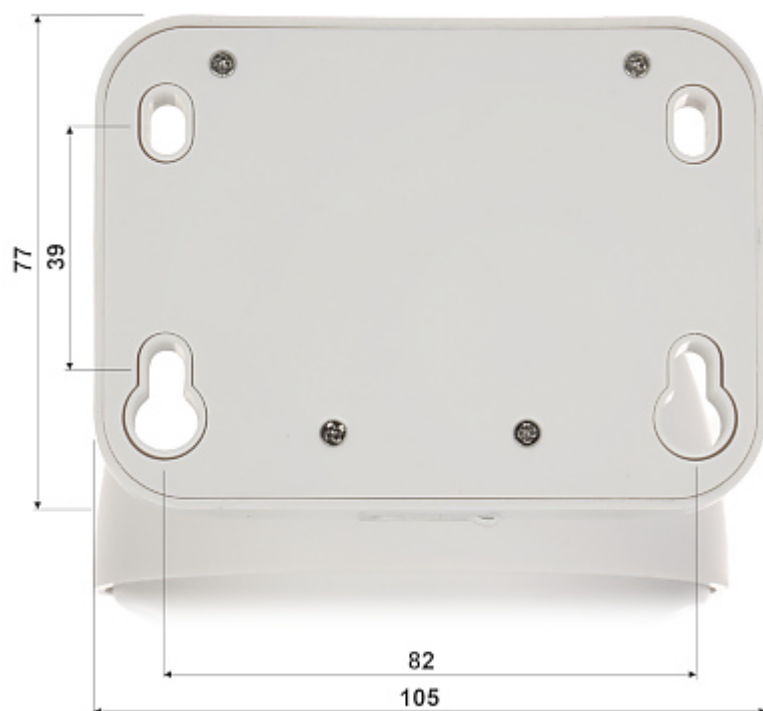
Device sockets:



Rear view:



Camera mounting dimensions:



The USB-C camera connector for connecting a solar panel:

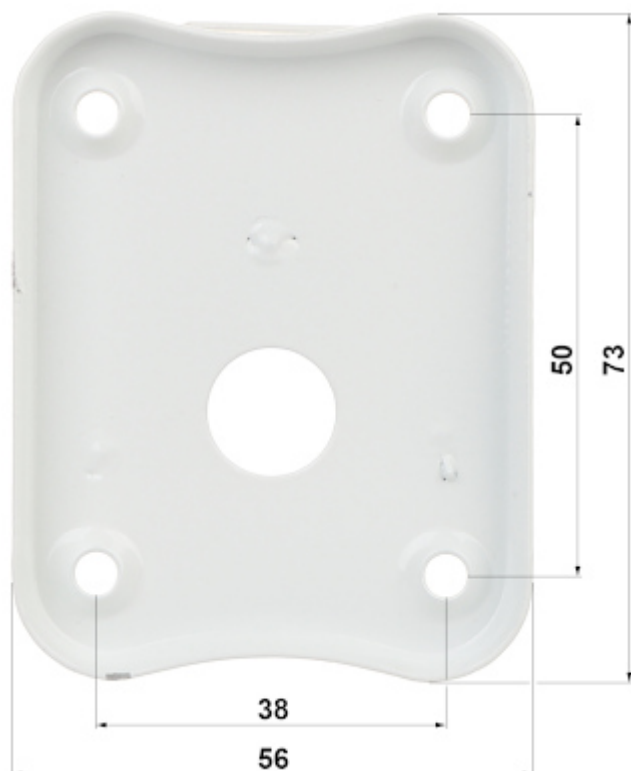


Solar panel connector:



Bracket for mounting the solar panel in a place other than the camera:





In the kit:



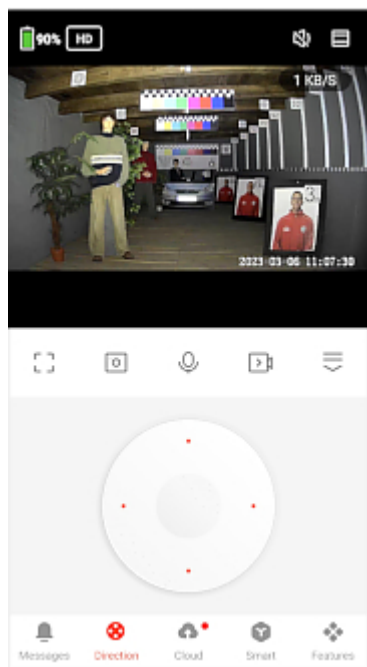
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Example captures of device interface:



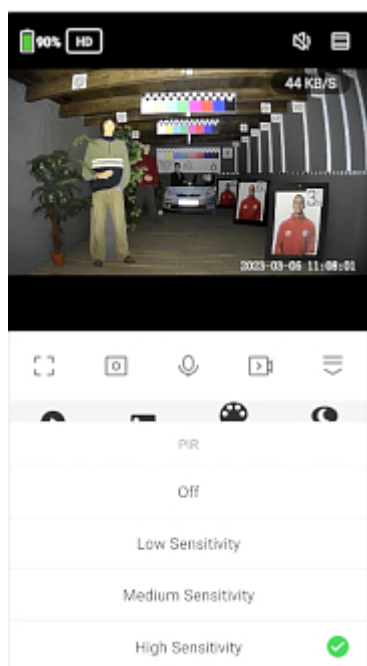
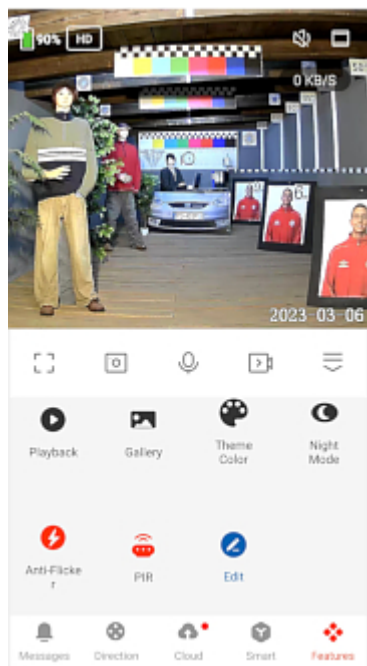




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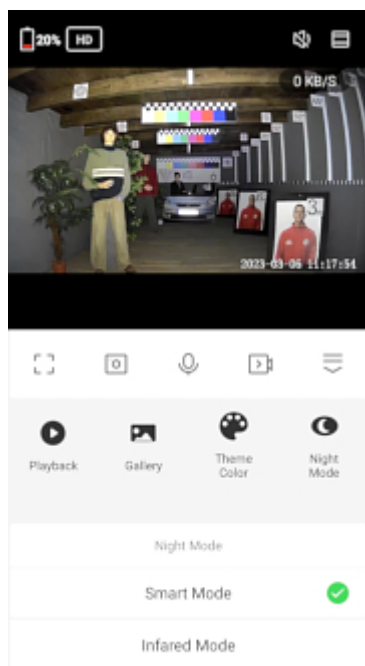
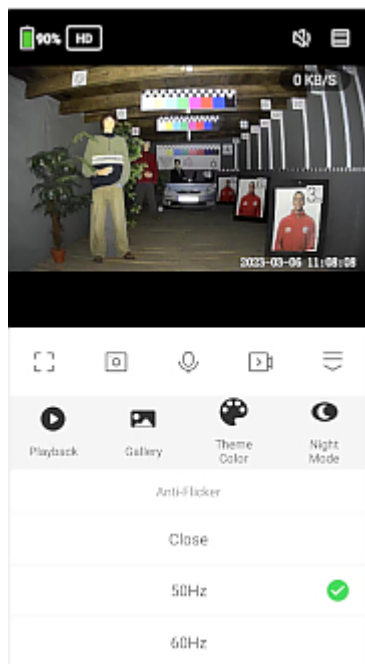




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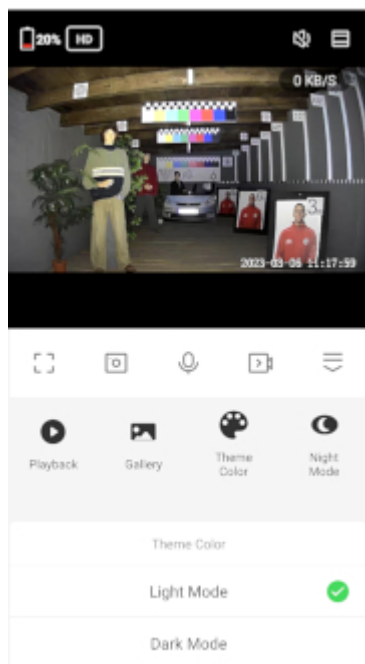




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## PACKAGE

Dimensions (L x W x H): 0x0x0 mm	Gross Weight: 0 kg
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