TELLUR

Wi-Fi Solar Camera Pan &Tilt

TLL331551
User manual

WORKS WITH
amazon alexa

works with
Google Assistant

INTO YOUR FUTURE

Thank you for choosing Tellur!
To ensure an optimum performance and safety, please, read this user manual carefully before using the product. Keep this user manual safe for future references.

Contents

1. GENERAL SAFETY INFORMATIONS:

1.1. WARNINGS

• Respect the safety measures and use proper and sturdy tools (ex: ladders, chairs) when installing the product at a bigger height from the ground.

• Make sure you have prepared the necessary tools suitable for assembly and disassembly.

• Respect the technical specifications of the product and do not use it outside the declared operating parameters.

1.2. ATTENTION

• To avoid wire damage or abrasion, do not expose the wire to edges of metal or other sharp objects.

• Avoid mounting the device in a place where the temperature changes too much, such as a heat source, air-outlet, etc. It will cause the equipment to send false alarms.

• Don't use the product if it is damaged in any way, shape, or form.

• Don't attempt to repair, disassemble, or modify this product.

• Ensure that the solar panel is exposed to light for optimal charge.

• Ensure the camera is securely fixed in position.

• Ensure the battery compartment is sealed and the screws are not loose.

1.3. NOTES

• Check the content of the box and make sure you have all included accessories and tools.

1.4. IMPORTANT NOTES ABOUT WIFI SMART CONTROL WITH TELLUR SMART APP

• Make sure you have an active 2.4GHz Wi-Fi internet network, and you have access to Wi-Fi password.

• This device is compatible with 2.4GHz Wi-Fi networks only. 5GHz Wi-Fi is not supported. If you don't have 2.4GHz Wi-Fi network available, check the router settings, contact a specialized technician or the internet provider for support.

• The app does not support Wi-Fi 6 networks with 802.11ax standard. Please set the 2.4GHz Wi-Fi network to 802.11b/g/n.

• No special gateway is required to remotely control the product via Wi-Fi.

• Wi-Fi passwords should not include special characters such as ~! @#$%^&*().

• Make sure your Wi-Fi internet is stable and the signal is strong enough in the installation location.

2. PRODUCT OVERVIEW
2.1. PRODUCT DIAGRAM

Solar panel

Photoresistance
Lens
P I R
Microphone

Flood light
Indicator led

Solar panel
interface/USB

Speaker
TF Card

ON — OFF
Reset
SIM Card
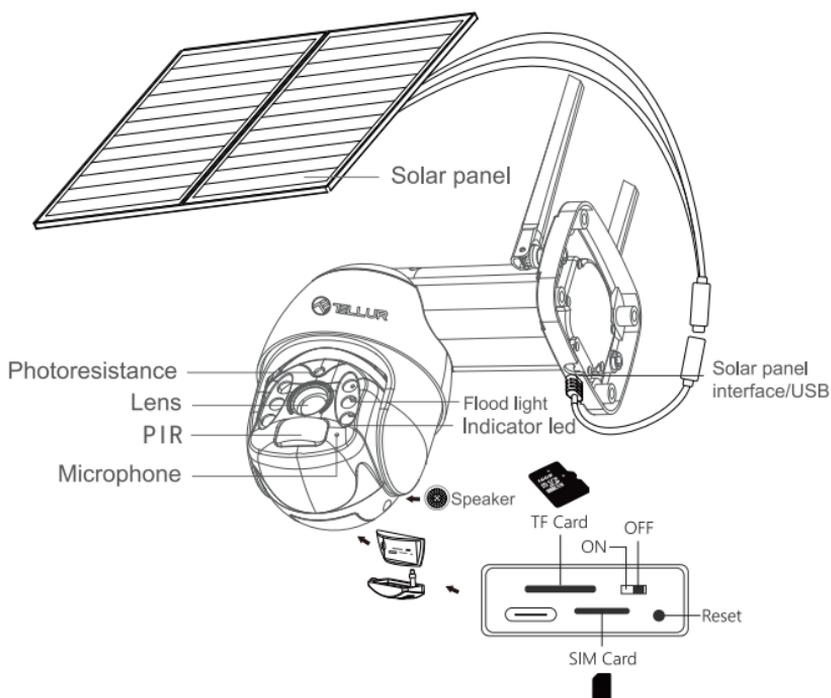
2.2. MAIN FUNCTIONS
• Ultra HD 2K resolution for clear and detailed images
• Autonomous camera - High efficiency 20W solar panel backed by
high capacity 19200 mAh battery.
• Accurate & fast PIR Motion Detection with real-time alerts
• Remote view and control from anywhere through Tellur Smart APP
• Pan & Tilt function covering a larger monitoring area.
• Compatible with Amazon Alexa & Google Home
• Safe, strong, and reliable construction, water, and dust resistant
(IP54 rating).
•Night vision function.
• Full duplex audio communication.
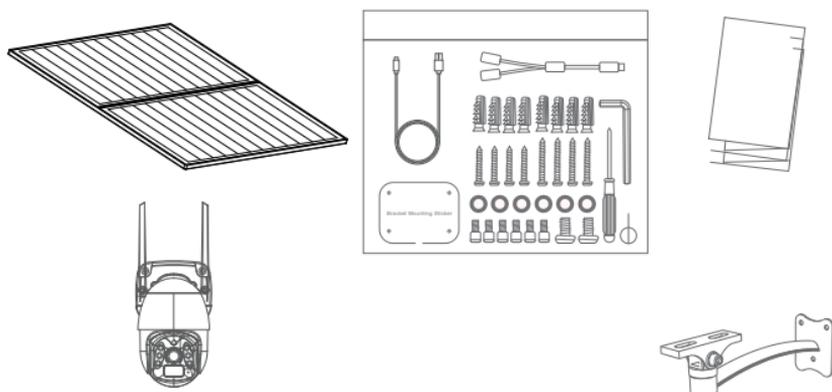
- 1 x Tellur Solar Camera Pan & Tilt
- 2 x Solar panel
- 1 x Screws kit + hexagonal spanner
- 1 x Quick installation metal base
- 1 x Mounting bracket
- 1 x Power cable 3 meters
- 1 x User manual

2.4. NOTES
For full technical specifications please check Chapter 9

3. PRODUCT INSTALLATION

3.1. WARNING

Prior to final wall installation, charge the camera batteries using the USB cable for at least 10 hours.

3.2. PREPARATIONS AND CHECKS BEFORE INSTALLATION

• Respect the safety measures and use proper and sturdy tools (ex: ladders, chairs) when installing the product at a bigger height from the ground.

• Respect the technical specifications of the product and do not use it outside the declared operating parameters.

3.3. MOUNTING DIAGRAM

• The recommended height of installation is ~2.6 meters from the floor.

• Try to avoid facing the camera lenses in direct sunlight.

2.6M Recommended installing the camera about 2.6M
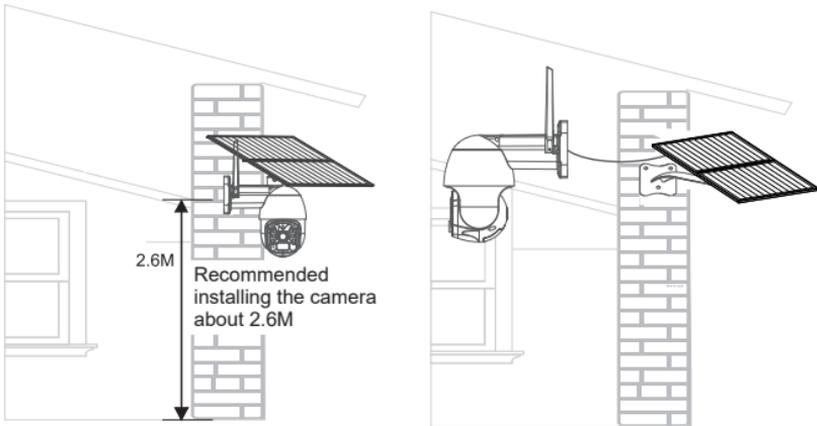
• If needed, use a power tool and appropriate drill bit to make the necessary holes for screws.

3.4. NOTES

• For Troubleshooting please check Chapter 8

4. PAIRING THE DEVICE WITH TELLUR SMART APP

4.1. ATTENTION

• This device only supports a 2.4GHz frequency band router, does not support a 5GHz frequency band router.

• Make sure your phone is connected to the 2.4GHz wireless network and you have access to Wi-Fi password before you start the pairing procedure.

• The app doesn't support Wi-Fi 6 networks with 802.11ax standard. Please set the 2.4GHz Wi-Fi network to 802.11b/g/n

• Wi-Fi passwords should not include special characters such as ~! @#$%^&*().

• We also recommend having the Bluetooth function activated for easier pairing.

• Make sure the Wi-Fi signal is strong enough in the area where the device will be installed.

4.2. DOWNLOAD AND INSTALL THE TELLUR SMART APP

Available for either iOS or Android devices.

4.3. CREATE AN ACCOUNT

Once downloaded, the app will ask you to create an account (if you don't have one already). Enter your email, select the country you live in and create a password for your Tellur Smart account.

7
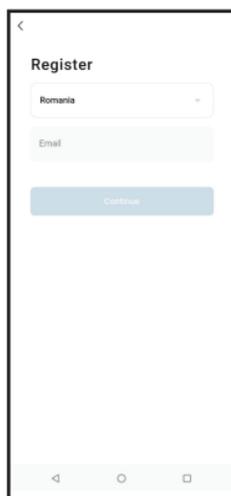
4.4. PRODUCT PAIRING WITH TELLUR SMART APP

• Open the Tellur Smart app and click "Add device" or "+"
and then select "Camera & Lock" -> "Smart Camera (Wi-Fi)".
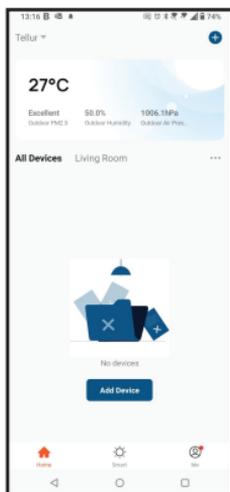
ATTENTION: Prior to final wall installation, charge the camera
batteries using the USB cable for at least 10 hours.

• Power on the camera and wait for audio prompt and Blue LED
change color to RED.
• The default option in the APP on top right corner should be QR
Code.
• Select the Wi-Fi network, input your Wi-Fi password and click
"Next".
• With the solar camera lens, scan the QR code that appeared on
your phone. When the device makes a sound, click "I heard a
Prompt" and the configuration will be complete.

20 30cm
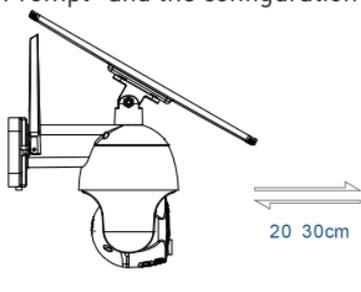
• Wait for the device to be added automatically. Tap "Done" when
finished and the device will appear in your list.
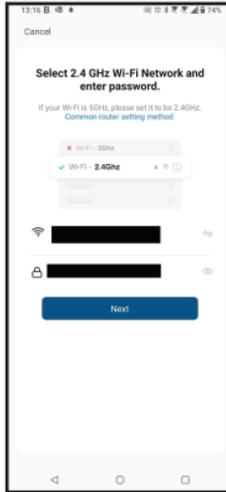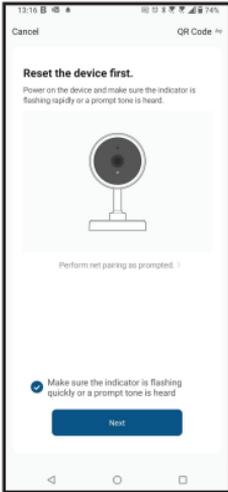
4.5. NOTES
For Troubleshooting please check Chapter 8

5. TELLUR SMART APP FEATURES

5.1. LIVE VIEW

1. Live view screen
2. Battery level
3. SD/HD resolution selector
4. Audio ON/OFF
5. Settings
6. Fullscreen view
7. Take picture.
8. Talk
9. Record video
10. Minimize menu.

1. Recordings Playback
2. Picture gallery
3. Interface themes select (dark/light)
4. Night mode selector IR or Smart
5. Anti-Flicker setting
6. Motion detection settings
7. Buttons management
8. Messages/Notifications
9. PTZ direction controls
10. Cloud settings
11. Smart automatizations
12. Main functions list

5.2. SETTINGS

•You can flip the image, change sound settings, detection function, SD card, share the device with others, check for firmware updates, rename, remove, or restart device, get notification if the device becomes offline.
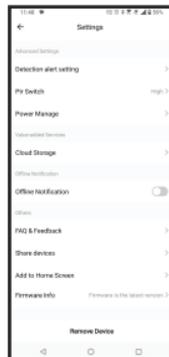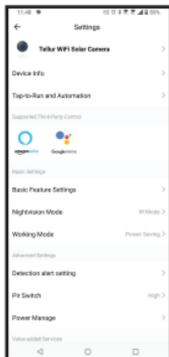
5.3 OTHERS

•Smart - Create various automations and scenarios using weather changes, other devices behavior or schedules.
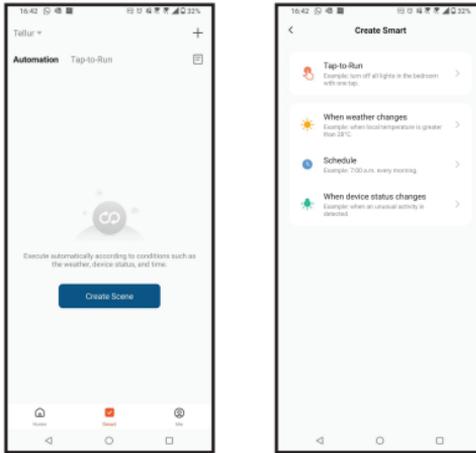
• Multi camera view – If there are more cameras installed in the app, multiple devices can be viewed simultaneously.
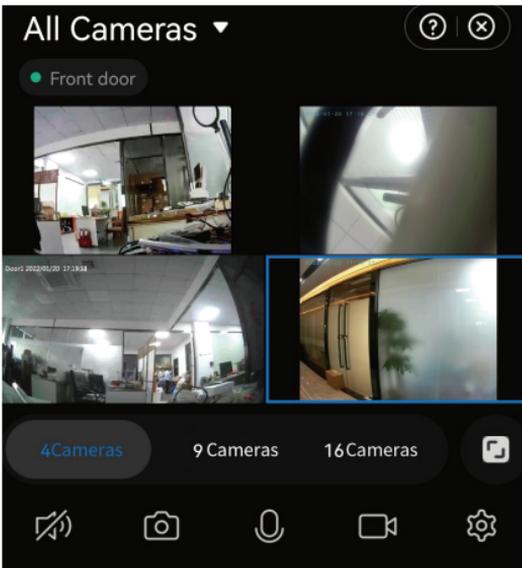
6. AMAZON ALEXA INTEGRATION

NOTE – A smart display compatible with Amazon Alexa is needed for a live preview of the solar camera.

1. Go to Home menu on Alexa app.
2. Select "Skills" / "Skills & Games".
3. Type Tellur Smart in the search bar.
4. Select Tellur Smart and click "Enable" to activate Tellur Smart.
5. Enter your Tellur Smart account and password. Now you have finished the integration with Alexa.

Tellur Smart app is now skilled with Alexa, and you can vocally control the devices added in Tellur Smart.

Remember - if you rename your smart devices, use a simple name that Alexa can recognize.
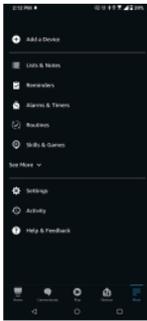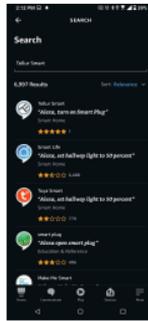
1.   2.   3.
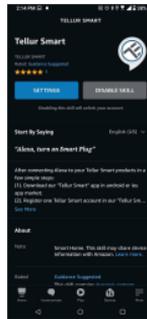
4.   5.

To control your smart devices through Alexa, use simple and concise voice commands. Here is an example for bedroom lighting:
"Alexa, turn off bedroom light"
"Alexa, turn on bedroom light"
"Alexa, dim bedroom light"
"Alexa, set bedroom light to red"

7. GOOGLE ASSISTANT INTEGRATION
NOTE – A smart display compatible with Google Home is
needed for a live preview of the solar camera

Before using Google Home to control your devices, make sure you
meet the following conditions:
•You have a Google Home device or an Android device with Google
Assistant.
•You have the newest version of Google Home app.
•You have the newest version of Google app (Android only).
•The device display language is set to English US.
•You have the Tellur Smart app and a related account.
Add devices in Tellur Smart app (refer to app instructions) – you can
skip this part if you have already added some devices to your Tellur
Smart account. Make sure your devices' names are easily recogniz-
able.

Link account in Home Control
1.Go to Google Home's homepage and tap "+".
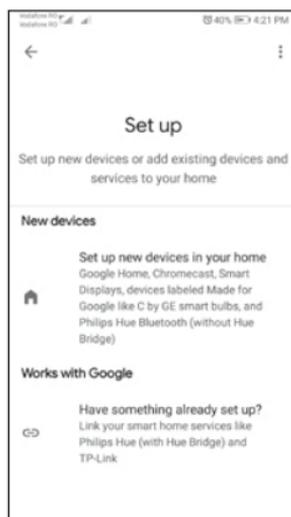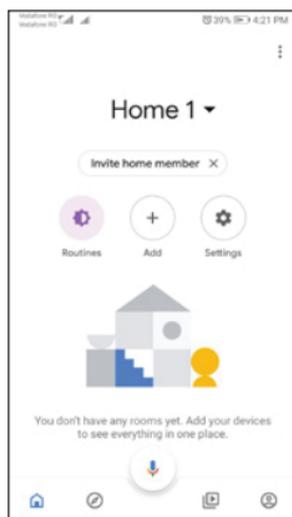
2. Hit the "Add new" button, enter Tellur Smart in the search bar,
and select the app from the list. Next, select your Tellur Smart
account's region, enter your Tellur Smart account and password,
and tap "Link now". After you assign rooms for devices, your
devices will be listed in the Home Control page.
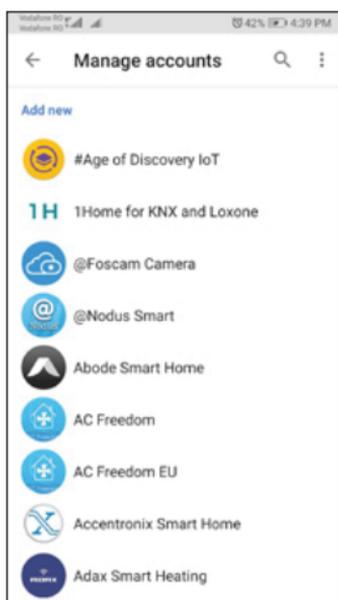
Now you can control your smart devices through Google Home. Take bedroom light as example – the supported voice commands are as below:
• Ok Google, turn on/off bedroom light.
• Ok Google, set bedroom light to 50 percent.
• Ok Google, brighten bedroom light.
• Ok Google, dim bedroom light.
• Ok Google, set bedroom light to red.

8. TROUBLESHOOTING

• Make sure the device is powered on, the solar panels are connected properly and is enough solar power.
• Check the Wi-Fi connection of your phone.
• Check if the device is in pairing mode. Reset your smart device to enter pairing mode.
• Check router or related: If you use a dual-band router, select the 2.4GHz network to add the device. You also need to enable the router's broadcasting function. Set encryption method as WPA2-PSK and authorization type as AES or set both on "auto".
• Check if the Wi-Fi signal is strong enough. To maintain the signal strong, keep your router and the smart device as close as possible.
• Wireless mode should be 802.11.b/g/n (Wi-Fi 6 protocol 802.11ax is not supported)
• Make sure you don't exceed the maximum number of registered devices supported by the app (150).
• Check if the router's MAC filtering function is enabled. If so, remove the device from the filter list and make sure the router is not prohibiting the device connection.
• Make sure the Wi-Fi password entered in the app is correct.

Can I control the device with 3G/4G/5G network?
When adding the device for the first time, the device and the phone need to be connected to the same Wi-Fi network. Once the device has been successfully paired with the Tellur Smart app, you can remotely control it via 3G/4G/5G networks.

How can I share my device with my family?
Open Tellur Smart app, go to "Profile" -> "Device sharing" -> "Sharing sent", tap "Add sharing" and share the device with the added family members.
Notice - users must install the Tellur Smart app on their device to see shared devices.

How can I manage the devices shared by others?
Open App, go to "Profile" > "Device Sharing" > "Sharing Received", then you can find the devices shared by other users. To delete a shared device, swipe left.

9. TECHNICAL SPECIFICATIONS

Sensor type:	1/2.8" CMOS
Sensor resolution:	3 Megapixels
Lens:	f:3.6mm
Viewing angle:	118°
Infrared sensor:	Yes, up to 10 meters
Image resolution:	UltraHD 2304 x 1296/15fps / SD 640 x 360/30fps
Video compression:	H.264 + H.265
Frame rate:	15/second HD / 30/second SD
Motion detection:	PIR
Detection distance:	0 ~ 10 meters (max)
Pan & Tilt angle:	Horizontal 320° , Vertical 90°
Night vision:	Color night vision or black and white
Audio communication:	Two-way audio
Built-in speaker:	2W
Internal storage:	MicroSD FAT32 card up to 128GB Class 10 min (not included)
Cloud storage:	Yes
Power supply:	Solar Panel + Built-in battery
Solar panel power:	20W
Battery capacity:	19200mAh rechargeable
Power consumption:	Max 2.2W
Standby consumption:	0.0016W
Google Home:	Compatible
Amazon Alexa:	Compatible
Wi-Fi standard:	IEEE 802.11b/g/n
Supported Wi-Fi network:	2.4GHz
Waterproof:	IP54
Working condition temperature:	-10°C ~ +60°C
Working condition humidity:	0% ~ 80% RH
Product dimensions:	Camera - 19 x 16 x 10cm 2 x Solar panel - 26 x 16.8 x 0.7cm
Product weight:	2.06Kg
Color:	White

Disposal and recycling information

The crossed-out wheeled-bin symbol on your product, battery, literature, or packaging reminds you that all electronic products and batteries must be taken to separate waste collection points at the end of their working lives; they must not be disposed of in the normal waste stream with household garbage.

It is the responsibility of the user to dispose of the equipment using a designated collection point or service for separate recycling of waste electrical and electronic equipment (WEEE) and batteries according to local laws.

Proper collection and recycling of your equipment helps ensure EEE waste is recycled in a manner that conserves valuable materials and protects human health and the environment, improper handling, accidental breakage, damage, and/or improper recycling at the end of its life may be harmful for health and environment.

Declaration of conformity

We, ABN SYSTEMS INTERNATIONAL S.A, Bucharest, Sector 1, Marinarilor street, nr. 31, declare on own responsibility that the product below:

Product description	Marca	Product code
Tellur Smart WiFi Solar Camera, P&T, 3MP, 2K UltraHD, PIR, 20W solar panel, white	Tellur	TLL331551

Does not endanger life, health, work safety, does not have a negative impact on the environment and corresponds to the standards stated in the manufacturer's declaration of conformity.
The product is compliant with the following standards and / or other normative documents:

RED 2014/53EU:
EMC:
ETSI EN 301 489-1 V.2.2.3: 2019
ETSI EN 301 489-17 V3.2.4: 2020
RADIO:
ETSI EN 300 328 V2.2.2: 2019
HEALTH:
EN 62311: 2008
SAFETY:
EN 62368-1: 2014+A11: 2017

ROHS - 2011/65/EU

The product bears CE mark, applied in 2023.

Name: George Barbu
Function: General manager

Place and date: Bucharest, 24.07.2023
Signed: