

MANUAL

EVOLVEO

MODEL

VERSION / DATE

StrongVision LTE

1. / 9. 6. 2022



HR

SADRŽAJ PAKIRANJA



- Camera trap

Priručnik



- Traka za pričvršćivanje

Čitač MicroSD kartice

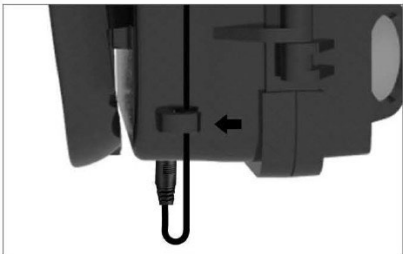
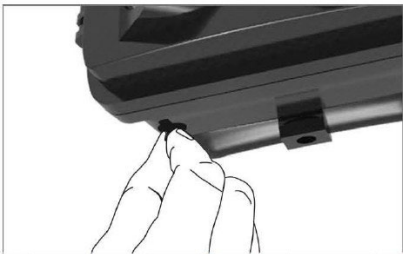


- Antena

POWER

WHEN USING 9-12V POWER SOURCE

7. Remove the rubber cap of the port on the bottom side of the camera. Connect a universal 9-12V cable to the port on the bottom side of the camera.
8. Route the cable to the side of the camera, there is a hook under the door hinge to secure the cable. This secures the power cable and prevents pressure at the connection point.
9. If you are not using the universal 9-12V port on the bottom side of the camera, cover it again with the rubber cap.



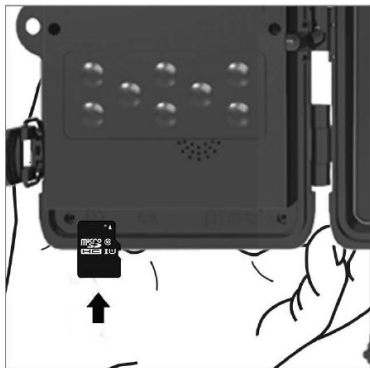
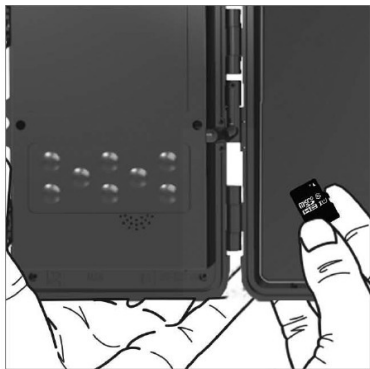
MEMORY CARD INSTALLATION

INSERT THE MICRO SD CARD

5. Insert the Micro SD card (the contacts must be further from the device). The card should be easy to insert with only a slight resistance.

Insert the Micro SD card until you hear a click. This means that the Micro SD card is locked in the right position and ready for use.

6. To remove the Micro SD card, push it inwards to release it.




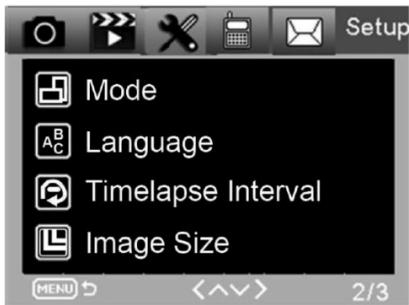
QUICKSTART GUIDE



Language setting

The default language of the device is English. To change the language, switch the device into the TEST mode and follow these steps:

1. Press the MENU button.

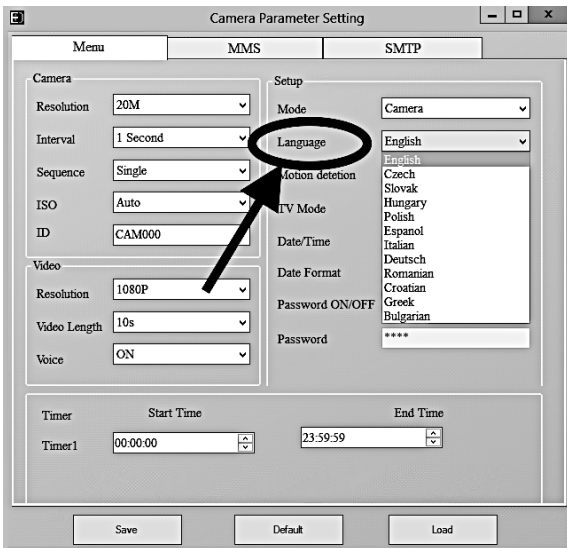
2. Use the right navigation key  to move to Setup.



3. Use the down navigation key  to move to Language and press the  button to enter the language selection menu.

4. Select the desired language.

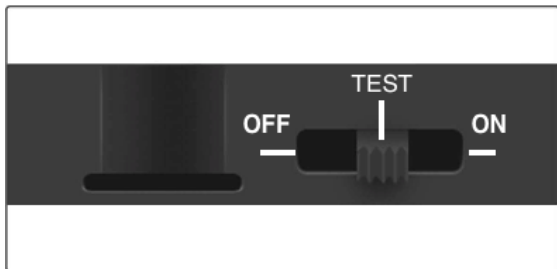
EVOLVEO Config:



Entering the TEST mode (setup)

Move the mode switch from OFF to TEST to turn on the camera, the setup window will appear on the screen.

You need to use a SIM card to transfer photos via MMS or EMAIL.



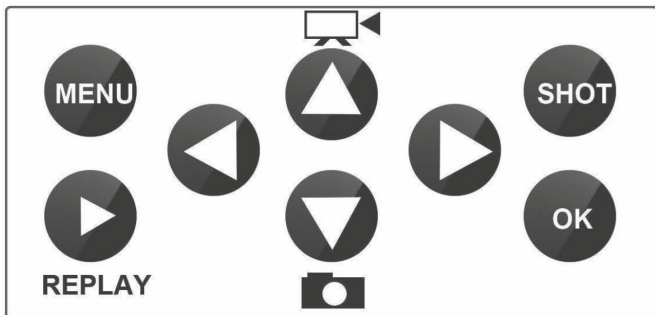
Without a SIM card, the camera trap will only take pictures and save them on the inserted SD card. You can use a SIM card of any operator.

- Make sure that your SIM card supports Short Messaging Services (SMS), Multimedia Messaging Services (MMS) and data transfer.
- If you have a new SIM card, you need to activate it first (usually by inserting it into your phone and making a call). Afterwards, insert it into the camera trap. When the SIM card is recognized, the signal status and the name of the operator appear on the display.

Warning: the SIM must have a deactivated PIN code and must be activated with the operator

After opening the camera, there is a control panel with 8 buttons.


CONTROL BUTTONS




Menu: Press the MENU button to open the Setup menu.

REPLAY: Press this button to enter the replay mode.




Press  to play the video, press it again to stop the video.

 : Switches to manual recording mode for video recording.

 : Switches to manual recording mode for shooting.

SHOT: Record videos or take pictures manually depending on the selected mode. To end the video recording, press the SHOT button.

You can find the best location of the camera in this TEST mode. We recommend placing the camera at a height of 1-2 metres (3-6 feet) above the ground.

Press  to display IMEI (in TEST mode).

Entering the ON mode

After finishing the setup, move the switch to the ON position to enter the automatic mode. The motion indicator will be flashing red for about 5 seconds and the camera will start to operate. As soon as a person or animal enters the field of view of the PIR sensor, the camera will immediately start to take photos or record video.

- **Warning:** To prevent false activation caused by temperature and movement disturbances, do not point the camera at a heat source (e.g. the sun, hot stone or metal) or branches and twigs. We recommend pointing the camera at north and open spaces without a heat source. Also remove any twigs from the area surrounding the camera.

MMS SETTING

Configuration

To set the camera trap, you need to use the EVOLVEO Config tool which is available for download at the link below. This tool will create a PARAMETER.DAT file that needs to be saved on the SD card of the device. Always insert the SD card with the file into a switched off device, otherwise the settings will not be loaded.

Configuration software is only for MS Windows

EVOLVEO Config is available for download here:

https://webftp.evolveo.com/ftp/digital_camera/strongvision/strongvision-LTE/SW/

Unzip the EVOLVEO_CONFIG.zip file.



Do you need help with the setting?

Scan this QR code using your mobile phone and you will be redirected to our video guide.

MMS setting

Automatic MMS mode:

In the MMS tab, select MMS ON and then the “Auto” option and the camera trap will offer you default settings for your operator in the next settings. MMS are charged according to the rates of your operator and it is usually more expensive service than sending an email.

- Select your country
- Select your operator
- Fill in the receiver's phone number in the blank box on the right.
- Fill in the email address for receiving photos. In this setting, the sent EMAIL is charged the same as MMS. If you want to send

emails using the data plan, go to the email tab of the EVOLVEO Config.

The screenshot shows a window titled "Camera Parameter Setting" with three tabs: "Menu", "MMS", and "SMTP". The "MMS" tab is selected. The window is divided into several sections:

- Mms Setting:** Contains four dropdown menus: "MMS ON/OFF" (set to ON), "MMS MODE" (set to Auto), "Country" (set to Czech Republic), and "Operator" (set to T-Mobile).
- Phone Setting:** Contains four text input fields: "Phone1" (7776666666), "Phone2", "Phone3", and "Phone4" (all empty).
- Gprs Setting:** Contains three text input fields: "APN" (*****), "Account" (***), and "Password" (***).
- Server Setting:** Contains three text input fields: "MMSC" (*****), "IP" (*****), and "Port" (**).
- Email Setting:** Contains four text input fields: "Email1" (email@email.com), "Email2", "Email3", and "Email4" (all empty).

At the bottom of the window are three buttons: "Save", "Default", and "Load".

Manual MMS mode:

If information for selection is not configured, select Manual MMS mode.

Contact your operator and manually enter parameters required for sending MMS messages: APN, account, password, MMSC, IP address of the server and port. Afterwards, fill in the phone number, email address, or both, depending on where you want to send MMS messages from the camera trap.

Camera Parameter Setting

Menu MMS SMTP

Mms Setting

MMS ON/OFF ON

MMS MODE Manual

Country Other

Operator Other

Phone Setting

Phone1 7776666666

Phone2

Phone3

Phone4

Gprs Setting

APN XXXXXX

Account YYYYYY

Password PPPPPP

Server Setting

MMSC MMMMMM

IP III.III.III.III

Port 0000

Email Setting

Email1 email@email.com

Email2

Email3

Email4

Save Default Load

EMAIL SETTING

1) EMAIL setting:

This way of sending photos is also called data transfer. It is currently a very popular way as the photo is send from email to email and only data is charged. The recommended settings are displayed below the text on the image from the EVOLVEO Config programme.

- a) SMTP: Select "ON"
- b) SMTP mode: Select "AUTO"
- c) Country: Select "Your Country"
- d) Select your operator - for example, for Kaktus - T-mobile CZ

2) GPRS setting:

If you have selected the SMTP mode "AUTO", you do not need to set anything else. If you have entered the Manual EMAIL setting, fill in according to the data provided by your operator.

3) Email server setting:

We recommend using the EVOLVEO email server!

- a) TYPE: EVOLVEO
- b) The next setting will happen automatically - there is no need to change anything.

4) Receiver's email

Fill in the email addresses to which you want to send the captured photos.

NOTE: The camera sends only photos to email. If you have set a series of shots, it always sends only the first photo in the series.

The quality of photos sent via e-mail is always lower than the quality of images on the SD card. 2G/GPRS is a slow data transfer, so the images in the email are reduced. The quality of the sent images can be set in the device menu: Image Setting/Size.

The screenshot shows the 'Camera Parameter Setting' window with four tabs: Menu, MMS, SMTP, and SMTP. The SMTP tab is selected, and the settings are organized into four quadrants:

- Smtp Setting (1):** SMTP ON/OFF (ON), SMTP MODE (Auto), Country (Czech Republic), Operator (T-Mobile).
- Gprs Setting (2):** APN (internet.t-mobile.cz), Account, Password.
- Server Setting (3):** Type (Evolveo), SSL options (No SSL, SSL, STARTTLS), Server (mailservice.evolveo.net), Port (8587), Email (*****@mailservice.evolveo.net), Password (*****).
- Email Setting (4):** Email1 (myemail@email.com), Email2, Email3.

At the bottom are buttons for Save, Default, and Load.

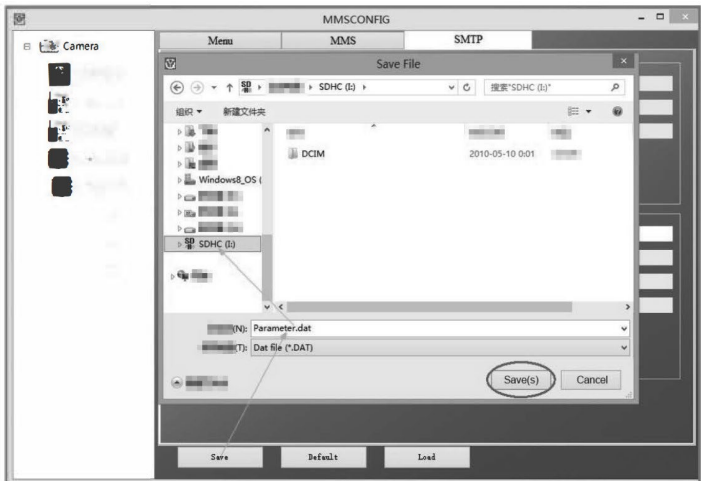
Manual SMTP mode

If information for selection is not configured, select Manual MMS mode.

The user must first contact the operator of the SIM card to obtain and fill in the APN, account, password; contact the provider of the sending email for server and port information.

- g. Enter the sending email address.
- h. Enter the password for the sending email address on the left.
- i. Enter the delivery email address on the right.

Save the “Parameter.dat” file to the Micro SD card.



FTP Settings

1. Open Evolveo Config
2. Switch to the FTP tab and proceed to the left side of the window
3. Switch FTP to ON
4. Fill in the FTP address of your server
5. Select the port, by default port 21
6. Select the folder where the items should be saved
7. Enter your login details
8. In the right part of the window, select the Country, select your operator.
9. If everything is filled in correctly, select the "Save" button at the bottom and save the parameter.dat file to the SD card of the photo trap.

The screenshot shows a software window titled "4G Trail camera Setting" with a menu bar containing "MENU", "MMS", "SMTP", and "FTP". The "FTP" tab is active. The window is divided into two main sections: "SMTP Setting" on the left and "Access Point Name" on the right. At the bottom, there are three buttons: "Save", "Default", and "Load".

Field	Value
FTP ON/OFF	ON
Server	ftp.myftp.com
Port	21
Path	/myfolder/
Account	xxxxxxxx
Password	xxxxxxxx
Country	Czech Republic
Operator	T-Mobile
APN	internet.t-mobile.cz
Username	
Password	

ADVANCED SETTINGS

Menu



Camera



Resolution

Sequence

ISO

Delay

Camera ID



Video



Resolution

Video Length

Record Audio



Setup



Mode

Language

Timelapse

Image Size

TV mode

Date/Time

Timer

Password

Format

Default Setting

Version



MMS



MMS ON/OFF

Country

MMS Phone

MMS Email



SMTP



SMTP ON/OFF

Country

SMTP Email

Camera setting menu



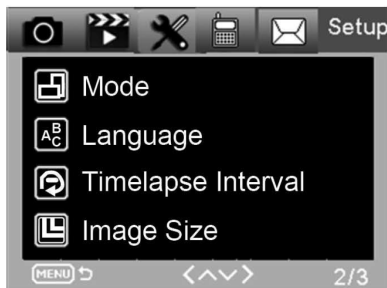
Camera	Submenu	Description
Resolution	20MP, 16MP, 12MP	Photo size
Sequence	1/3/6/9	The number of shots to always take.
ISO	Auto, 100, 200, 400	Exposure level
Delay	1/5/10/30 sec/min	Delay between the shots
Camera ID	0-0-0 0-0-0	Camera ID

Video recording setting



Video	Submenu	Description
Resolution	1080P, 720P, WVGA, VGA	Video size
Video length	10 s, 30 s, 60 s, 90 s	The time length of video
Record audio	On/Off	If on, video audio is recorded.

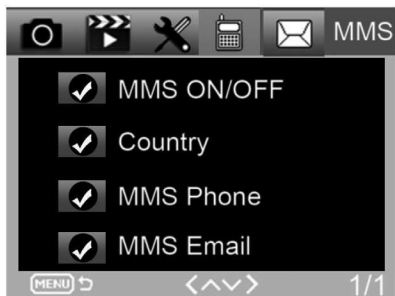
Setup menu



Setting	Submenu	Description
Mode	Camera, video, camera & video, time-lapse	Photo, video, photo & video, regular photo
Language	English, French, German, etc.	Language of the camera menu
Time-lapse interval	5/30/60 min	Take photos or record videos every 5/30/60 minutes
Image size	Small / Normal / Big	Size for image transfer: Small <50 KB, Normal <100 KB, Big <150 KB
TV mode	NTSC, PAL	TV playback mode

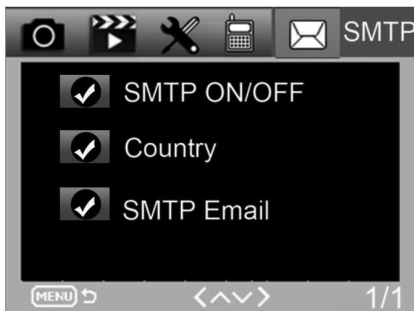
Setting	Submenu	Description
Time/Date	2018-09-03 16:37:25	Year-Month-Date-Hour: Minute: Second
Timer	ON, OFF	If On, the camera will operate only during the set time period.
Password	****	4 digits (1314 universal password)
Format	Micro SD card	All files in the card memory will be deleted.
Default setting	Restores the default setting of the menu.	Cancel/O K
Version	03/09/2018 16:37:25	SW version

MMS menu



MMS	Submenu	Description
MMS on/off	ON/OFF	MMS on/off
Country	Set in MMSCONFIG	Name of the operator
MMS phone	Set in MMSCONFIG	Receiver's phone number for MMS delivery
MMS email	Set in MMSCONFIG	Receiver's email address for MMS delivery

SMTP menu



SMTP	Submenu	Description
SMTP on/off	ON/OFF	SMTP on/off
Country	Set in MMSCONFIG	Name of the operator
SMTP email	Set in MMSCONFIG	Receiver's email address for images delivery

SMS commands

The camera trap can be remotely controlled using SMS commands. Create a new SMS message on your phone and enter the phone number of the SIM card that is inserted in the camera trap. The body of the message must contain one of the commands as specified in the following table:

The SMS commands are as follows:

Command	Function	Meaning
530	Turns on the camera trap	The camera trap starts to operate.
531	The camera trap in sleep mode	The camera trap enters power saving mode, i.e. it saves images to the SD card but it does not send data or MMS.
500	Capture	The camera trap takes a photo and sends it to the set EMAIL.
505	Capture and get a photo (MMS mode)	The camera trap takes a photo and sends it to the phone. Available only if the camera trap is set to MMS.
520	Get information about the photo.	The camera trap sends information about the number of possible photos and the battery level.

TROUBLESHOOTING

The camera trap did not capture the object of interest.

- Check the PIR sensitivity. In warm environments, set the sensor level to “Low”; in cold environments, set the sensor level to “High”.
- Try to position the camera trap so that there is no heat source in its field of view.
- If you place the camera trap near water, sometimes the camera trap may take photos when there is no subject appearing in the photos.
- Try to point the camera above the ground.
- Try to place the camera trap on solid and immovable objects, such as wide trees.
- If the motion sensor detects above the IR backlight at night, reduce the distance setting by adjusting the sensitivity of the sensor.
- Sunrise or sunset may trigger the sensor.
- Point the camera trap elsewhere.
- If the person/animal is moving too fast, he/she/it may disappear from the field of view of the camera trap before the photo is taken. Move the camera trap further back or point it in another direction.

The camera stopped taking photos.

- Make sure that there is space on the memory card. If the card is full, the camera trap stops taking photos.
- Check the batteries to make sure that the alkaline, NIMH or lithium batteries have enough energy to power the camera.
- Make sure that the switch is in the “On” position and not in the “Off” or “Test” position.

- When the MMS/SMTTP function is on, the camera sends a photo for about 1 minute before it takes another photo.
- Format the memory card before using it for the first time.

The flash range during night recording does not meet expectations.

- 4 pcs of AA batteries are not sufficient to power night vision of the camera trap. Insert 8 pcs of AA batteries to ensure their longer life.
- Make sure that the batteries are fully charged or have enough energy left.
- High quality 1.5V NIMH or lithium rechargeable AA batteries can offer a much better IR flash range than alkaline batteries.
- For sharp, high-quality images, install the camera trap in a dark environment with no visible light sources.
- For sharp, high-quality night images, install the camera in a dark environment with no visible light sources.
- Certain surroundings (such as trees, walls, ground, etc.) within the range of the flash can provide better night shots. Do not point the camera trap at a fully open area where there is nothing at all within range of the IR flash to reflect it back. If you point a flashlight in the night sky, you will not see a thing, just like the camera trap.

The camera trap takes photos, but does not send them to the phone/email.

- If you select manual mode, the information you enter may be incorrect. Contact the operator of your SIM card to confirm that all information such as APN, server, port, etc. is correct.
- If you switch to the MMS function, it is not necessary to add the international dialling code to the phone number, just fill in your phone number.

- If you switch to the SMTP function, make sure that your email server and port are correct, some email servers will mark emails as spam and reject them. You can try to find your email in the SPAM folder or contact the dealer and ask him to send you an email to try it out.
- Do not rename of the “Parameter.dat” file, you can verify your phone number and email in the camera trap menu, save the “Parameter.dat” file to the boot folder on the memory card, otherwise the photo trap will not be able to recognize the “Parameter.dat” file.

**For more information and VIDEO GUIDES go to our
YouTube channel: www.youtube.com/c/EvolveoEu**



Disposal: The symbol of crossed out container on the product, in the literature or on the wrapping means that in the European Union all the electric and electronic products, batteries and accumulators must be placed into the separate salvage after finishing their lifetime. Do not throw these products into the unsorted municipal waste.



DECLARATION OF CONFORMITY

Hereby, the company Abacus Electric, s.r.o. that the EVOLVEO StrongVision LTE is in compliance with the essential and regulations, relevant for the given type of device.

Find the complete text of Declaration of Conformity at <http://ftp.evolveo.com/ce>

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