EVOLVEO VERSION DATE Strong Vision Bird Feeder User Manual

MANUAL
MODEL VERSION DATE
StrongVision BirdFeeder II. / 22.11.24

Content

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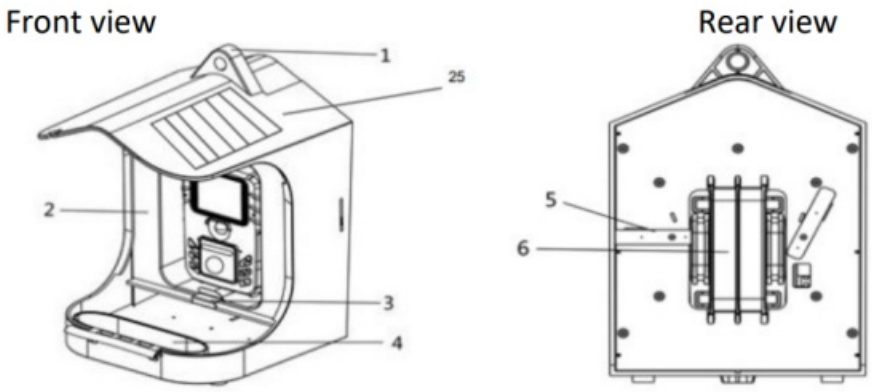
Product assembly

1.1. Feeder



1. Grip	5. Camera and feeder securing latch
2. Feeder container	6. Holder for removing the feeder
3. Cap of the feeder container	25. Solar panel
4. Drinker – water container	

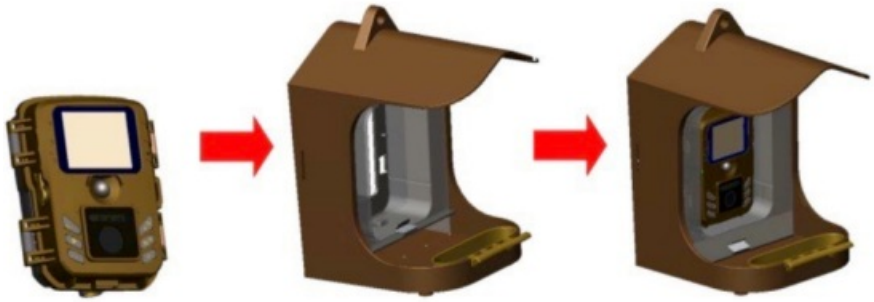
1.2. Setting up the feeder

Fill the feeder container and insert it into the feeder (the latches must face upwards during insertion.

1.3 Inserting the Camera

The camera is inserted in the already switched on state (switch in the ON position) with the SD card inserted and formatted. Insert the camera from the front. Plug the power cable from the side of the camera before placing it in

position. If you are not going to use the solar panel power supply, you must close the connector with a rubber cap to prevent moisture from entering the device.
Insert the connected camera into the feeder and secure at the back with two metal latches – these must fit into the feeder housing and the camera housing at the same time.



1.4 Attachment methods

1.4.1 Wall bracket with fixing strap

Use the mounting strap and wall bracket to attach the feeder to any object (e.g. a tree) around which you can wrap the strap.
Thread the strap through the rectangular holes on the bottom of the wall bracket and pull the strap around the desired object.
Now attach the belt and tighten it. Attach the feeder to the bracket using the tripod thread on the bottom of the feeder.

1.4.2. Handrail holder

Use the railing bracket to attach the booth to any round railing with a diameter of 17-32 mm. Loosen the nuts on the U-bolt.
Place the U-clamp around the railing. Now retighten the tensioner. Attach the feeder to the bracket using the tripod thread on the bottom of the feeder, adjust and fix the position of the feeder.

Assembled feeder

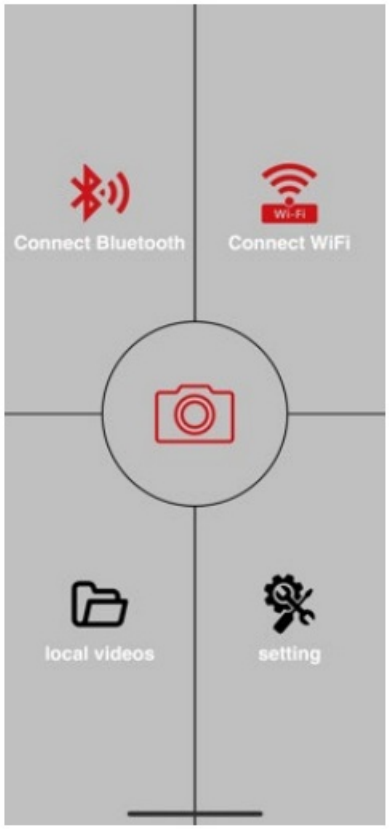
1.5 Package contents

Quick start and setup

2.1 To control the device, you need to download the EVOLVEO WiFi App from the respective Apple Appstore or Google Play. The app is only for Apple iOS(from version 13.1 and above) and Google Android(from version 9 and above!!!)

https://www.evolveo.com/app/evolveo-strongvision-wifi/

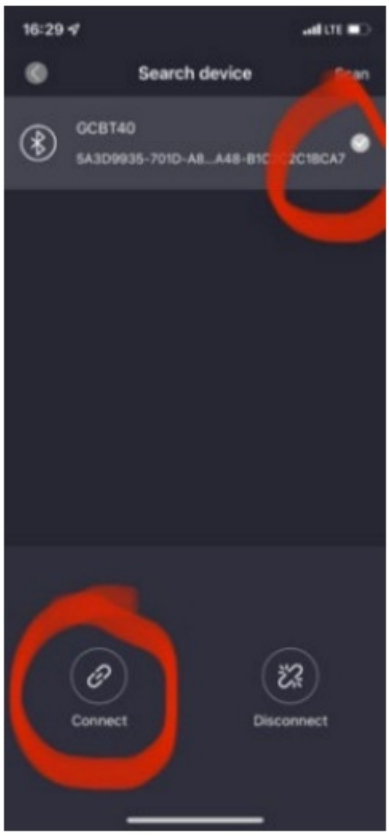
2.2. After installing the application, you need to start the camera by selecting TEST mode on the main camera switch.
2.3. Open the EVOLVEO WiFi app on your phone, the main menu of the app consists of 5 main icons. The icons for
Bluetooth, WiFi and camera also function as status icons. When the icon is red the function is inactive, when green it is active.



2.4. Bluetooth activation – to connect to the camera, you first need to activate the camera's WiFi module using Bluetooth. Click the Connect Bluetoothicon. In the Bluetooth menu, select Bluetooth cameras and select connect on the bottom left. Use the arrow in the top left corner to return to the home screen, if everything went well the Bluetooth icon is green.

WARNING: Bluetooth must be active on your phone to work properly!

2.5. WiFi connection – On the main screen, select the WiFi button (Bluetooth button must be green) This will open the WiFi settings on your phone. Select a WiFi network that has the same name as the one shown on the camera display (SSID: CAM XXXX) enter the password, if it has not been changed yet the basic password is "12345678" and go back to the EVOLVEO WiFi application.



WARNING: The camera's WiFi network is not connected to the Internet, so you may be prompted by your device whether it should still be connected to this network – select keep connected!!!
On older Android phones, you must turn off mobile data, otherwise the app will not connect to the camera!
Now the camera is connected to the app, you can select the middle camera icon, it is green when the connection is active, and feed back to the images stored in the camera, or to the live image from the camera.
This feature can also be used when mounting the camera, like a viewfinder, you know exactly where the camera is pointing.

Press the settings button to adjust the camera properties, see the Settings chapter of this manual for more information on settings.
2.6. Camera Activation – To activate the camera, switch the main switch to ON, the camera will operate as set. Now you don't have to take the camera off its stand to download images or adjust settings. You only need to be near the camera and connect to the camera using the procedure described above according to steps 2.4 and 2.5.
WARNING: The range of WiFi and Bluetooth is depending on the environment 20-30m in open space. The longer the distance from the camera, the slower the transmission.

Technical specifications

Display	Colour TFT 2.0″
Motion sensor	PIR – adjustable sensitivity (3 levels) max range 50cm
Motion sensor detection angle	60°
Night light	IR LED 850nm, 2x IR LED under front cover
IR LED range – night	Up to 20 cm
Dimensions	V x Š x H. 175x118x87mm
Operating Temperature	-10 °C to +50 °C
Storage Temperature	-15 °C to +60 °C
Coverage	IP65
Security	4-digit optional password

3.1. Photo

Sensor	5Mpix color CMOS (night photo black and white)
Lens	F=2.8; FOV=59°
Photo resolution	24/20/16/12MP
Exposure (ISO)	Auto/100/200/400
Timelapse mode (Timelapse)	5 min/30 min 1/2/3/6/12/24h
Multi-frame mode (Burst)	1/3/6 or 9 frames
Information on the photo	Time and Date, Temperature (°C, °F), Moon phase, optional name
Recording modes	Photography, Photography & Video, Timelapse
File format	.JPEG
Activation speed	0,5 s *
Delay interval	The amount of time the device is inactive after the last motion- based start. Instant, 10 s, 1/3/5/10/15 or 30 min

*The PIR sensor detects motion based on changes in surface temperatures. This figure is in an ideal environment, when the object in front of the camera has a sufficient surface temperature difference, and crosses perpendicularly the scanned area (passes from side to side) If the object will approach the camera frontally, it will take longer to recognize the motion.

3.2. Video

Video resolution	VGA, 720 p, 1080 p 30fps
Record length	5/10/30/60 or 90 seconds
File format	MP4/H.264
Liveview (Liveview)	<180kBps **

3.3. Power

Batteries *	**3000mAh Li-Ion integrated**
Power source	DC 6V 2 A
Connector for external power supply	DC Jack 3.5×1.3 mm
External batteries	Can connect a 6 V battery to the external power conne ctor using the SGV CAM-PWRC cable

3.4. Connectivity

WiFi	IEEE 802.11b/g/n
Memory card	SD up to 256 GB
Internal memory	The device has no internal memory
USB	Can be connected to a PC using a USB-C cable (not inclu ded)

*Battery life decreases depending on the mode used and the number of videos and photos taken, 1 month of battery life is calculated using only photo recording in day mode and 20 photos per day. In the winter months with temperatures below 0°C, battery life drops significantly more than in normal summer temperatures, this is a characteristic of batteries.

Description of the device

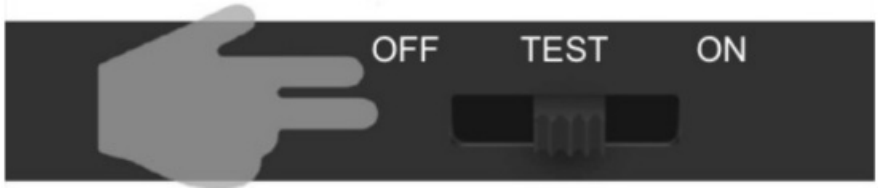
1. 2.0 Color LCD
2. DC 6V/2A power connector
3. Control buttons
4. Camera lens
5. Latches

6. IR LED + Status LED + illumination sensor

1. Main Switch OFF-TEST-ON
2. USB-C connector for data transfers – not for power!
3. Micro SD card slot up to 256GB
4. Space for 4x 1.5V AA alkaline batteries. Possibly built-in 3000mAh Li-Ion battery

Quick start

5.1 Switching on
Slide the switch from the OFF position to the TEST position to put the device into setup mode, where the camera image preview will be displayed on the screen.



5.2. Settings
Press the MENU button to set up the device. When you press the button, you will see the individual setting items described in Chapter 6.
5.3. Change the Language in the Menu
The default language after switching on the camera is English, to change the language, use the arrows to select “Language”, confirm with the OK button, select your language with the arrows and select OK.
5.4. Once the setup is complete, you can switch the device to active mode by sliding the switch to the ON position.

Camera buttons:

1.	MENU	Button to enter the main menu. Directly in the MENU, the device is also used to return to the previous section.
2.	Recording (SHOT)	On the basic screen, it takes a photo or video when pressed, depending on the basic screen mode.
3.	PLAY	Used to enter and exit the photo and video gallery on the SD card
4.	UP	To move around the menu or gallery. On the basic preview screen, it is used to t urn on Video mode
5.	DOWN	To move around the menu or gallery. On the basic preview screen, it is used to t urn on Photo mode.
6.	OK	Confirm menu selection (Turns WiFi on/off)

Menu

1. Mode	Camera	In this mode, the camera will only take pictures
	Video	In this mode, the camera will only capture video footage
	Camera & Video	The camera will capture both images and video.
	Time- la pse ima ges	In this mode, the camera will take pictures according to the selected time interval.
2. Resolution		Resolution setting for Video recording: 1080p, or 720p or VGA.
3. Video lengt h		Set the length of the video recording: 5s, 10s, 30s, 60s or 90s
4. Sound rec ording		If you select on, it will record sound when recording video.
5. Image size		Changes the resolution at which all images, you can choose between 24, 20, 16, 12 , 8, 5, 3 MPX photos, the larger resolution, the larger the file will be stored on the SD card!

6. Interval		The interval is a time value that indicates the time of inactivity after a detected move ment. When the camera is activated by the PIR sensor, the camera performs the desired action and waits for a specified time after the motion is over before taking an other picture. Values: 1s, 10s, 1min, 3min, 5min,10min,15min or 30min.
7. Timing inte rval		Set the shooting interval in Time Lapse mode. Images will be taken at the selected ti me interval. The following values can be set: 5min, 30min, 1h, 2h,3h,6h,12h or 24h.
8. Sequence		In Photo, Photo&Video and Time-lapse mode, sets how many pictures to take when the camera is activated. Can be set: 1,3,6 or 10 images
9. ISO		ISO sensitivity, simply put, the darker the environment the higher the value. If you ar e unsure of the setting, leave it in automatic mode. Can be set: Auto, ISO 100, ISO 200, ISO 400, ISO 800 and ISO 1600
10. Rewrite		Zap. – When the SD card is full, the oldest files are overwritten. OFF – When the SD card is full, no more images are stored
11. PIR sensit ivity		PIR sensor sensitivity setting. If unwanted activation by distant objects occurs, the sensitivity of the sensor can be reduced. Can be set: Low, Medium, High or Off
12. Language		It is used to set the language in the menu.
13. Frequency		Artificial light frequency filter. If the image flickers during video, you can change the settings to try to minimize this effect. Options 50 or 60 Hz
14. Camera I D		The name that appears in the stamp on the captured images.
15. Heslo/ PI N		Camera security with PIN, when you turn on the function, you enter a new PIN, whic h the device requests every time it starts up.
16. Timer		The device’s operating time on the display sets the time range when the device should be active, the rest of the day the device will not take pictures.
17. Date/Time		Set the date, time and format. Move the arrow keys to select and set, confirm by pre ssing the OK button.
18. Formattin g		Format SD memory
19. Default se ttings		Deletes all settings made in camera.
20. View Full Version		Displays the current FW version

Media Browser
It is possible to view the recorded footage directly on the camera display.
To view, switch to TEST mode, press the Record (PLAY) button on the home screen.
Control by arrow keys:

- Next picture: up arrow
- Previous picture: down arrow
- Watch the video: OK
- Stop Video: OK
- Return to the main menu with the PLAY button.

Shooting directly from the menu

The camera can also be used to take photos or record video using only the buttons. Switch the camera to TEST mode. It is then serviced afterwards:

- The up or down arrow switches between Photo or Video mode
- Press the Record SHOT button to take a picture

Troubleshooting

8.1 The camera does not record photos/videos when moving

1. Check the PIR sensor to see if it is damaged or blocked, for example by a leaf.
2. Test the camera in places where there are no hot spots. The PIR sensor detects motion based on temperature difference, if the camera environment is overheated, the sensor is not activated.
3. In some cases, the water level may cause the PIR sensor to activate unintentionally, in which case turn the camera away from the water level.
4. Set the camera so that it is not pointing directly at the ground.
5. Position the camera so that it does not move and large moving objects, such as a large tree, are not in the frame.
6. At night, the device can detect movement outside the range of the IR night light, so no moving object will be detected in the photos.
7. Sunset or sunrise may cause the recording to start unintentionally – change the camera position.
8. If the animal/person in front of the camera is moving quickly, the camera may not record them – move the camera further away from the objects (e.g. further away from the path where the animals are moving)

8.2 The camera does not produce any images

1. Make sure there is enough free space on the inserted SD card. If the old file overwrite function is disabled, the device no longer records after the SD card is full.
2. Check that the batteries have enough power to operate the photo trap.
3. Make sure the switch is in the ON position and not OFF.
4. Format the card on your computer to EXFAT format before using it for the first time

8.3 Night light does not have sufficient range

1. Make sure the battery in the device is charged, if the capacity is below 15%, the night light may not activate
2. For good quality night shots, place the camera in a dark environment with no other light sources.
3. Try to use the camera in locations where it will be surrounded by other objects that can reflect IR light. If you place the camera in an open area, the resulting photo will not be sufficiently illuminated. It's the same as shining a flashlight on the night sky, you won't see anything either, even if the flashlight is very powerful.

Support and warranty

First, read the "FAQ" at: **https://eshop.evolveo.com/strongvision-wifi/** or contact EVOLVEO Technical Support at:**service@evolveo.com**

The warranty does NOT cover:

– using the equipment for purposes other than those for which it is designed,
– installing firmware other than that installed on the device
– electrical or mechanical damage caused by improper use
– damage caused by natural influences such as water, fire, static electricity, power surges, etc.
– damage caused by repairs carried out by an unqualified person
– illegible serial number
– battery capacity decreases after 6 months of use (6 month battery life guarantee) *
*If the device is equipped with a Li-Ion battery from the factory.

Disposal: The crossed-out container symbol on the product, in the accompanying documentation or on the packaging reminds you that in EU countries, all electrical and electronic equipment, batteries and accumulators must be disposed of separately at the end of their useful life as part of sorted waste. Do not dispose of these products in unsorted municipal waste.

DECLARATION OF CONFORMITY

Abacus Electric, s.r.o. hereby declares that the EVOLVEO StrongVision BirdFeeder meets the requirements of the standards and regulations that are relevant for the type of equipment, including the 2014/53/EU RED Regulation for radio equipment.
The full text of the Declaration of Conformity can be found at **http://ftp.evolveo.com/ce/**

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Documents / Resources

	**EVOLVEO VERSION DATE Strong Vision Bird Feeder** [pdf] User Manual VERSION DATE Strong Vision Bird Feeder, VERSION DATE, Strong Vision Bird Feeder, Bird Feeder, Feeder

References

- Index of /ce
- EVOLVEO.com | official eshop brand
- User Manual