

Solar birdhouse & feeding station

with Wi-Fi full HD camera, battery, PIR sensor and IR night vision

User manual



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Information and answers to frequently asked questions (FAQs) about many of our products, as well as necessary Updated manuals can be found on the website:

www.visor-tech.de

Enter the item number or item name in the search field there.

Your new solar birdhouse

Dear Customer,

Thank you very much for purchasing this solar birdhouse.

Please read these operating instructions and follow the listed instructions and tips so that you can make the best use of your new solar birdhouse.

Scope of delivery

- birdhouse
- camera
- USB charging cable
- Mounting bracket for screwing on
- Clamping bracket
- belt
- User manual

Additionally needed

- microSD memory card (max. 256 GB)
- USB power adapter

Recommended app

To operate it, you need an app that can establish a connection between your solar birdhouse and your mobile device. We recommend the free app TCAMPro for this.

Important information at the beginning

Safety instructions

- This user manual is designed to familiarize you with how this product works. Therefore, keep these instructions in a safe place so that you can refer to them at any time. Pass them on to subsequent users.
- Please observe the safety instructions when using the product.
- The product, its accessories and packaging are not toys for children. Therefore, keep children away from it. Children must be supervised to ensure they do not play with the device.
- Modifying or altering the product will compromise product safety. Caution: Risk of injury!
- All modifications and repairs to the product or its accessories may only be carried out by the manufacturer or by persons expressly authorized by the manufacturer.
- Never open the product yourself. Never attempt repairs yourself!
- Handle the product carefully. It can be damaged by bumps, blows, or falls from even a low height.
- Keep the product away from extreme heat.
- Never immerse the product in water or other liquids.
- Check the product for damage before use. Do not use it if it shows visible damage.
- Never use the product after a malfunction, e.g. if it has fallen into water, been dropped, or damaged in any other way.
- Technical specifications subject to change without notice. Errors and omissions excepted.

Important information about the battery and its disposal

Batteries do not belong in household waste. As a consumer, you are legally obliged to return defective batteries that can no longer be charged for proper disposal. You can drop off your batteries at the public collection points in your community or anywhere that sells batteries of the same type.

- Batteries should be kept out of the reach of children.
- Do not heat the battery above 60°C and do not throw it into fire: Danger of fire, explosion and blaze!
- Do not short-circuit the battery.
- Do not attempt to open batteries.
- Stay close by while the battery is charging and check its temperature regularly.
- Do not subject the battery to mechanical stress. Avoid dropping, hitting, bending, or cutting the battery.
- Stop the charging process immediately if the device overheats significantly. A battery that heats up excessively or becomes deformed during charging is defective and must not be used further.
- When charging the battery, be sure to observe the correct polarity of the charging plug. Incorrect charging plug connection, unsuitable charger or reversed polarity poses a risk of short circuit and explosion!
- Remove the battery from the device if you will not be using it for an extended period of time.
- Never fully discharge the battery, this will shorten its lifespan.

- Make sure to observe the correct polarity of the battery. An incorrectly inserted battery can lead to the destruction of the device – risk of fire.
- If the battery is to be stored for a longer period of time, a residual capacity of approx.] is recommended. 30% of the loading volume.
- Avoid direct sunlight at the storage location. The ideal temperature is 10 – 20 °C.

Important disposal information

This electrical appliance does not belong in household waste. For proper disposal, please contact the public collection points in your community. Details regarding the location of such a collection point and any possibly Please refer to the information provided by the respective municipality for any existing quantity restrictions per day / month / year.



Declaration of Conformity

PEARL Inc. hereby declares that the product ZX-5470-675 is in compliance with the RoHS Directive 2011/65/EU + (EU)2015/863, the EMC Directive 2014/30/EU and the Radio Equipment Directive 2014/53/EU.

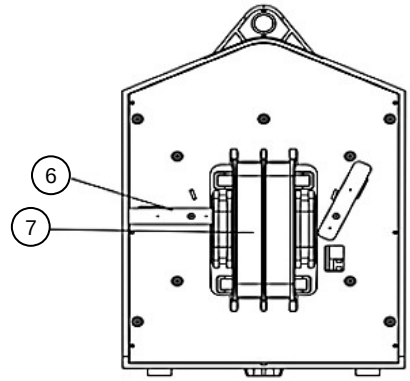
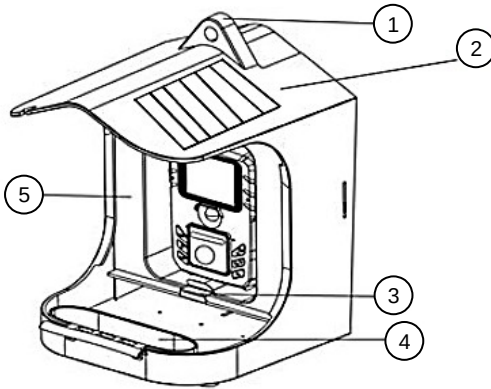
A handwritten signature in black ink, appearing to read 'Kurtasz, A.'.

Quality Management, Dipl. Ing. (FH) Andreas Kurtasz

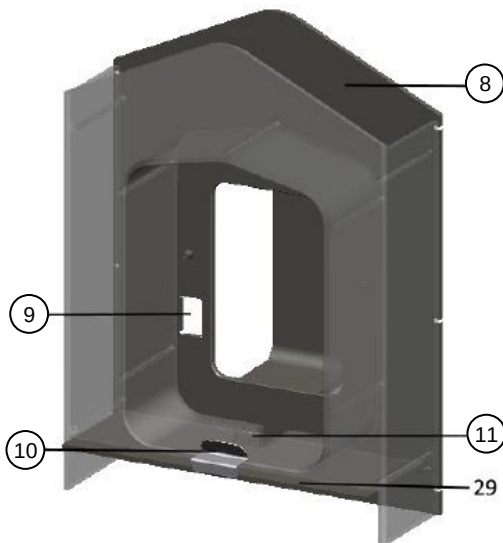
The full declaration of conformity can be found at www.pearl.de/support. Enter the item number ZX-5470 in the search field there.



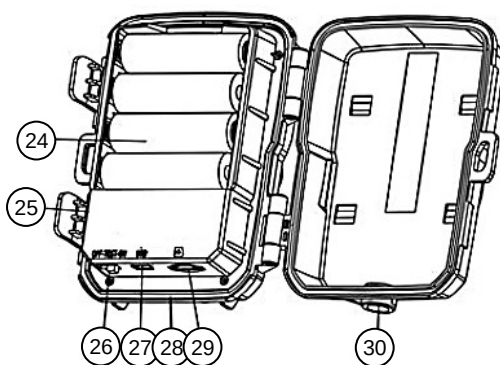
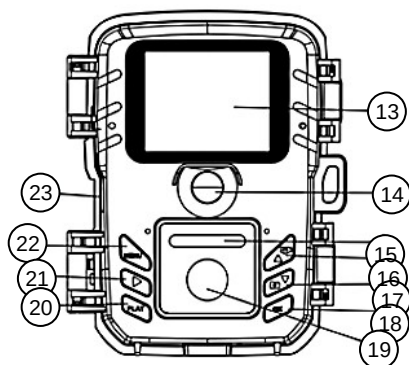
Product details



- | | | | |
|----|------------------------|----|----------------|
| 1. | Hanging loop | 5 | Feeder |
| 2. | solar panel | 6. | camera shutter |
| 3. | Feeding flap with lock | 7. | Handle |
| 4. | Water bowl | | |



- | | | | |
|------|------------------------|-----|--------|
| 8.12 | opening | 11. | camera |
| 9. | power cable outlet | 12. | flap |
| 10. | Feeding flap with lock | | |

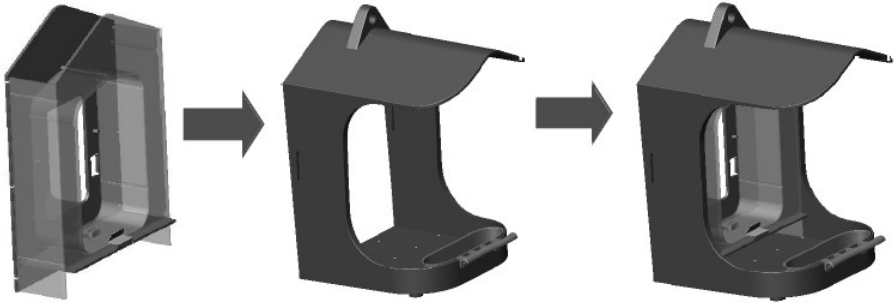


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|-----|---------------------|-----|-------------------------|
| 13. | Display | 22. | Menu button |
| 14. | PIR sensor | 23. | DC socket 3.5 x 1.35 mm |
| 15. | IR LEDs + Up button | 24. | battery compartment |
| 16. | Up/Video button | 25. | Locking bolt |
| 17. | Down/Photo button | 26. | Power switch |
| 18. | OK button | 27. | Micro-USB port |
| 19. | lens | 28. | microphone |
| 20. | Play button | 29. | microSD card slot |
| 21. | Right button | 30. | Tripod mount |

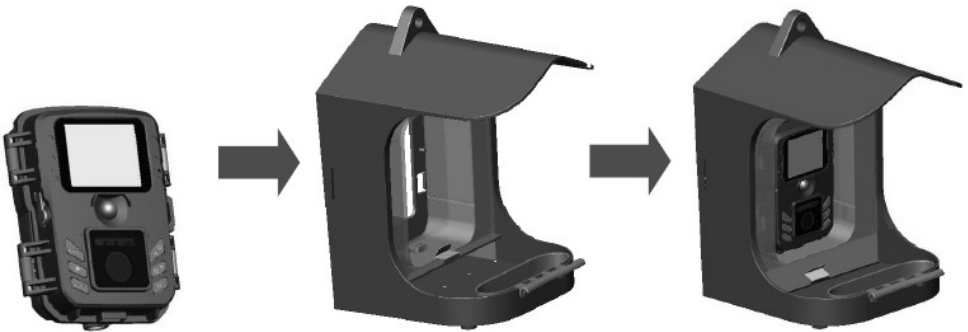
commissioning

1. Assembly

1. Check that the feed flap is closed.
2. Check if the camera shutters are open.
3. Take the food container out of the birdhouse.
4. Fill the bird food into the feeder from the top.
5. Place the feeder back in your birdhouse.



6. Install the full HD camera in your birdhouse. Make sure the camera shutters are closed after inserting the Full HD camera.



A NOTICE:

Before inserting the full HD camera into the birdhouse, push the USB charging cable through the cable outlet. Pull the other end of the cable out of the socket and then insert the full HD camera into your birdhouse from top to bottom.



A NOTICE:

If the Full HD camera does not require an external power supply, insert the rubber plug into the DC socket to prevent moisture from entering, just to be safe.

2. Charge the battery

Fully charge the battery of your birdhouse before first use. There are two ways to charge the battery: via the included USB charging cable or via the integrated solar panel.

2.1 Charge Per solar panel

Place your birdhouse in a location where the solar panel is exposed to direct sunlight for as long as possible. The charging process takes approx. 2 to 3 days, depending on the weather and time of year.

2.2 Charge per USB charging cable

Connect the included USB charging cable to the USB-C port of your birdhouse and a suitable USB power adapter. The charging process takes approx. 4 hours.

3. Insert microSD memory card



A NOTICE:

microSD memory cards up to a maximum of 256 GB are supported.

- Slide a microSD memory card into the SD card slot with the rounded corner forward and the gold contacts facing upwards. A slight spring resistance must be overcome for the microSD memory card to click into place.



A NOTICE:

Recording will stop automatically when the microSD memory card is full if continuous recording is disabled.



A NOTICE:

To remove the microSD memory card, press it a little deeper into the SD card slot. It pops out and can be pulled out.

4. Assembly

You can assemble your birdhouse in different ways:

- Place your birdhouse on a level surface.
- Hang your birdhouse with a cord.
- Secure your birdhouse using the strap, e.g. on a tree trunk.
- Screw your birdhouse to a wall using the bracket.

4.1 Festivals wall mounting

1. Hold the wall bracket against the desired mounting location and mark the three drill holes with a pencil.



A NOTICE:

Make sure that there are no pipes or cables running through the installation site.

2. Drill the three holes using a drill. Insert the dowels into the drilled holes and screw the wall bracket to the wall using the screws.
3. Attach your birdhouse to the wall bracket using the tripod screw.
4. Turn the birdhouse in the desired direction and secure it with the nut.

5. To move the birdhouse into its final position, loosen the hinge pin, move your birdhouse into the desired position, and tighten the hinge pin again.

4.2 Flexible wall mounting

- Attach the birdhouse to any object you can wrap the strap around using the strap.

4.3 railing bracket

Use the railing bracket to attach your birdhouse to any round railing with a diameter between 17 and 32 mm.

1. Loosen the hexagonal screw.
2. Place the U-bolt around the railing.
3. Tighten the hex screw again.
4. Screw your birdhouse onto the screw on the underside of the railing bracket. Attach it and adjust the position of the birdhouse.

use

Turn on/off

- Set the power switch to the “ON” position to turn on the Full HD camera.
- Set the power switch to the “OFF” position to turn off the Full HD camera.

Access the settings menu

1. Set the power switch to the "TEST" position.
2. Press the menu button to open the settings menu.
3. Press the Up or Down button to navigate through the settings menu. Press the OK button to access the desired menu item.
4. Press the Up or Down button to navigate through the menu. Press the OK button to confirm your selection.
5. Press the Menu button to return to or exit the settings menu.

Setting the operating mode

Photo mode	When the PIR sensor is triggered, the full HD camera automatically takes photos.
Video mode	When the PIR sensor is triggered, the full HD camera automatically records a video.
Photo & Video Mode	When the PIR sensor is triggered, the full HD camera automatically takes photos and then records a video.

Settings mode

Video resolution	1296p, 1080p, 720p, VGA
Video length	5s, 10s, 30s, 60s, 90s
Record sound	YES NO
Image size	24MP, 20MP, 16MP, 12MP
interval	• Set the delayed recording time. During the specified time, the Full HD camera will not take any photos or videos. 1 sec, 10 sec, 1 min, 3 min, 5 min, 10 min, 15 min, 30 min.
Time-lapse	• During the specified time period, the full HD camera automatically takes photos. 5 mins, 30 mins, 1 hr, 2 hrs
Series recording	1 photo, 3 photos, 6 photos, 9 photos
ISO	AUTO, 100, 200, 300, 40
Endless recording	• When this function is enabled, the Full HD camera will not stop recording once the microSD memory card is full. Instead, older videos and photos are deleted to allow recording to continue uninterrupted.

	On off
PIR sensitivity	LOW, MEDIUM, HIGH
Language	Set the system language.
frequency	50 Hz, 60 Hz
Password protection	• 4-digit password ON OFF
timer	• Set the recording time. You can set the start and stop times.
Time/Date	• Set the date and time for the Full HD camera. Date format: YYYY/MM/DD Time format: 24 hours
formatting	• Format the microSD memory card. All videos and photos on the microSD memory card will be permanently deleted. YES NO
Factory settings	• Resets the Full HD camera to factory settings. YES / NO
version	• Firmware information for the Full HD camera.

App



A NOTICE:

Apps are constantly being developed and improved. Therefore, it is possible that the app description in this user manual no longer corresponds to the current app version.

For operation, you can use an app that can establish a connection between your solar birdhouse and your mobile device. We recommend the free app TCAMPro for this.

Search for them in the Google Play Store (Android) or the App Store (iOS) and install them on your mobile device.

Technical data

Li- Ion battery	3.7 V 3000 mAh
Rating	Solar 5V DC 2A
Camera angle	100°
Image sensor	24MP, 20MP, 16MP, 12MP
Video resolution	1296p / 1080p / 720p / VGA
LED display	2" TFT color display
IR light	940 nm IR LED
IR range	5 m
Range of PIR motion sensor	10 m
microSD memory card capacity	256 GB
Protection class	IP65
Mass	22.5 x 20 x 140.5 cm
Weight	700 g

Customer service:

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