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Loatos TV-D10

Loatos Smart Bird Feeder with 5MP Camera

Model: TV-D10 | Brand: Loatos

1. Introduction

Thank you for choosing the Loatos Smart Bird Feeder with 5MP Camera. This manual provides essential information for the proper setup, operation, and maintenance of your new bird feeder. Designed to enhance your birdwatching experience, this device combines a high-resolution camera with smart features to bring nature closer to you.



Figure 1: Overview of the Loatos Smart Bird Feeder with its main components.

2. Package Contents

Please verify that all items are present in your package:

- Loatos Smart Bird Feeder Unit with integrated 5MP Camera
- Solar Panel with charging cable
- WiFi Antenna
- Bird Bath Attachment
- Fruit Forks (for attracting diverse species)
- Jelly Cups (for attracting diverse species)
- Mounting Hardware (screws, wall anchors, mounting straps)

3. Safety Information

- Avoid placing the feeder where it can be easily accessed by squirrels or other large animals.
- Do not install in areas with extreme temperatures (outside -4°F to 144°F), as this may affect the product's

performance.

- Always follow local regulations regarding feeding wildlife.
- Ensure the solar panel is positioned to receive maximum direct sunlight for optimal charging.

4. Setup

4.1 Physical Assembly

1. **Attach the WiFi Antenna:** Screw the antenna into the designated port on the back of the feeder unit.
2. **Connect the Solar Panel:** Plug the solar panel's charging cable into the USB-C port on the camera module inside the feeder. Ensure the connection is secure.
3. **Install Camera Module:** The 5MP camera module is pre-installed. Ensure it is securely seated within its compartment.
4. **Attach Accessories:** Secure the bird bath, fruit forks, and jelly cups to the designated slots on the feeder's platform as desired.
5. **Fill with Birdseed:** Open the top lid of the feeder and pour in your preferred birdseed. The feeder has a 1.5L capacity. Close the lid securely to protect the feed from elements.

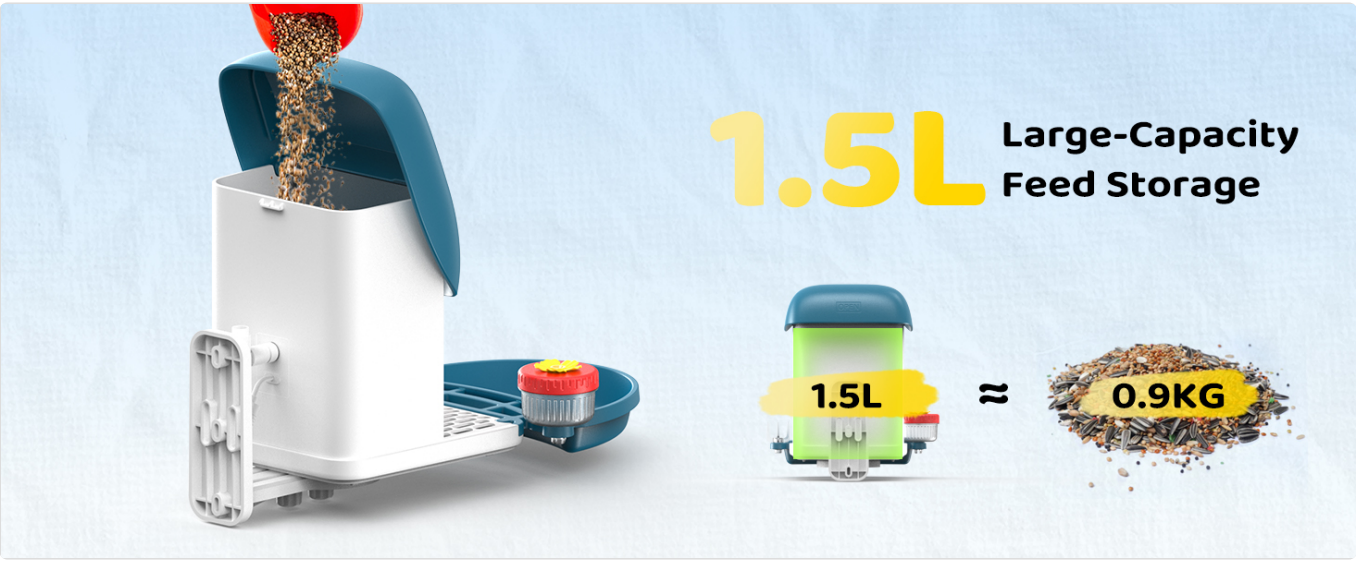


Figure 2: The feeder's large 1.5L capacity for birdseed.

4.2 Mounting Options

The Loatos Smart Bird Feeder offers flexible installation:

- **Wall Mount:** Use the provided screws and wall anchors to secure the feeder to a wall.
- **Pole Mount:** Attach the feeder to a pole using the appropriate mounting hardware.
- **Tree Mount:** Utilize the mounting straps to secure the feeder to a tree trunk.

Position the solar panel in an area that receives maximum direct sunlight throughout the day to ensure continuous power.

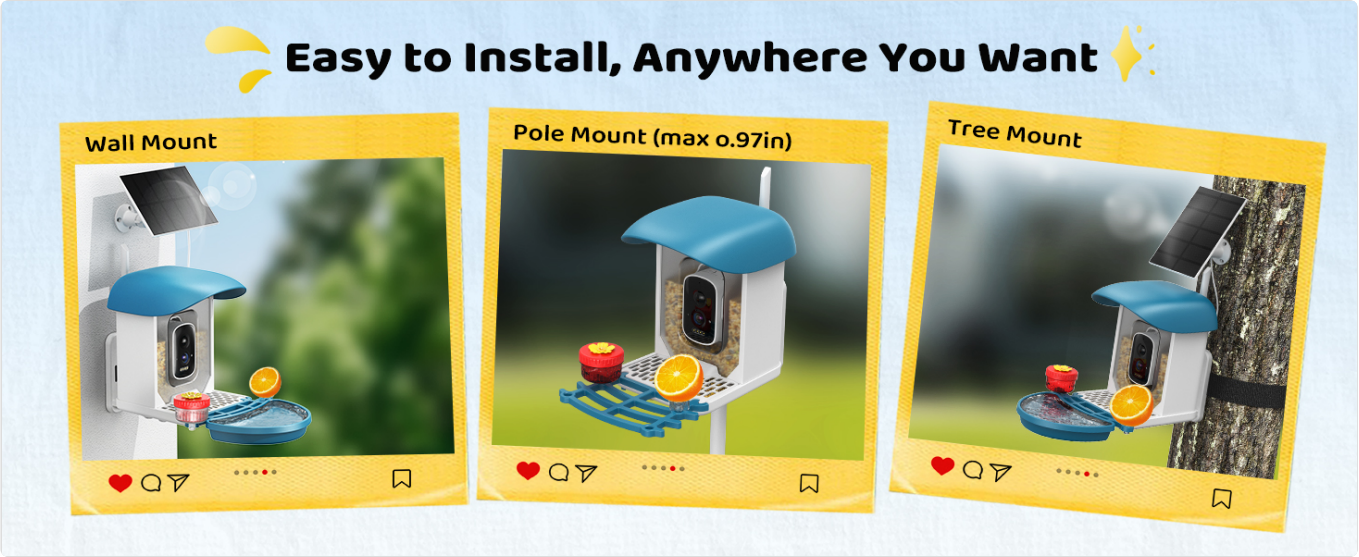


Figure 3: Various mounting options for the bird feeder.

4.3 App Connection

1. Download the companion mobile application from your device's app store.
2. Follow the in-app instructions to connect your bird feeder to your 2.4GHz WiFi network. A stable connection is crucial for live streaming and alerts.

5. Operating Instructions

5.1 Camera Features

The integrated 5MP camera provides ultra-high-definition live video with a 130° wide-angle lens. Access live streaming via the mobile app to observe bird activities. Two-way audio allows you to hear natural bird sounds clearly.

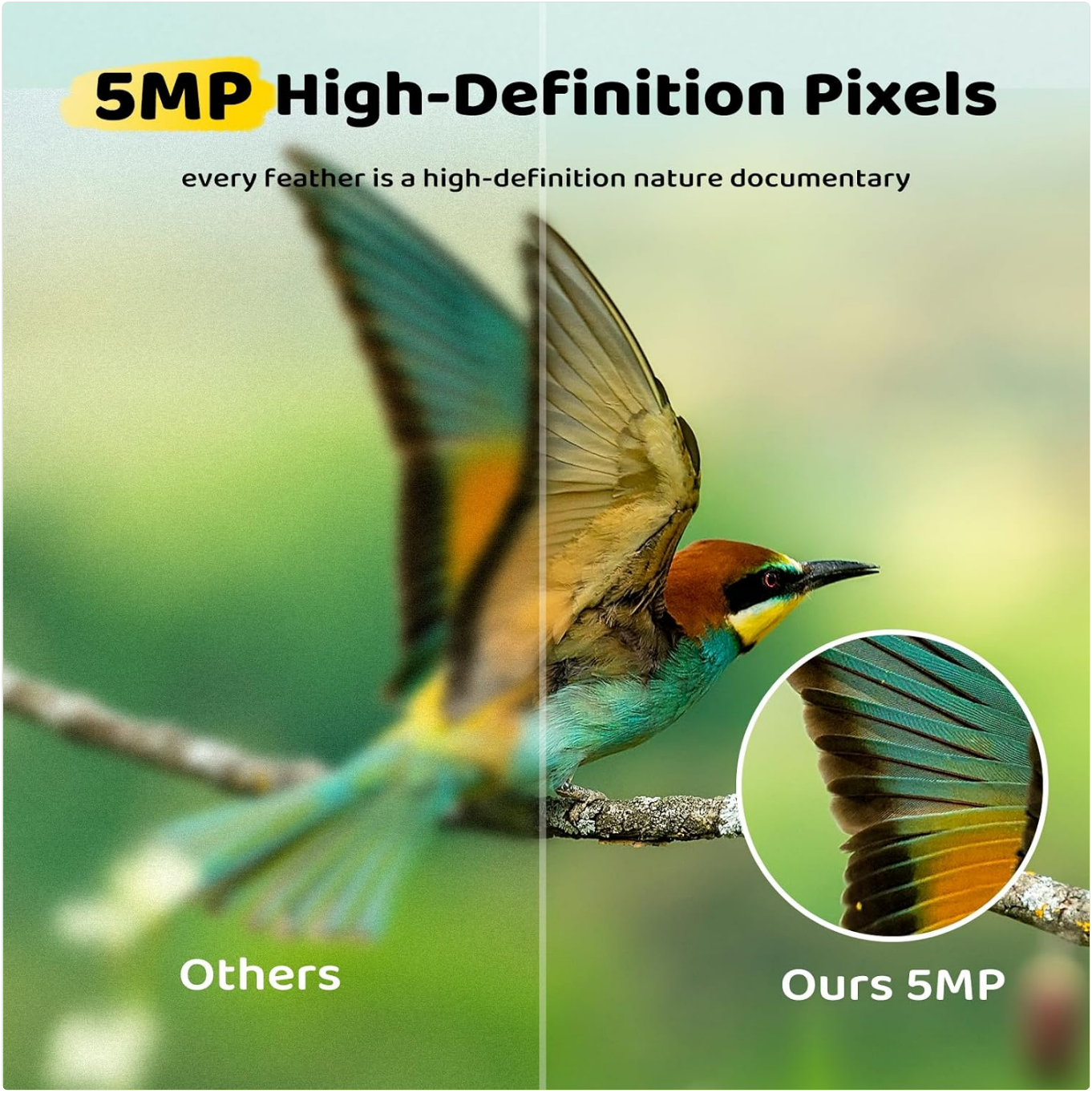


Figure 4: The 5MP camera captures intricate feather details.

5.2 AI Bird Recognition

The feeder utilizes advanced AI to identify over 10,000 bird species. Upon identification, the app provides detailed encyclopedia entries. This feature includes a 30-day trial, with flexible subscription options available afterward.



Figure 5: AI identifies bird species and provides information.

5.3 Real-Time Alerts & Recording

Receive instant motion alerts on your mobile device whenever birds arrive. The system automatically records video footage of these events, ensuring you do not miss any activity.

5.4 Storage Options

The feeder supports a 30-day cloud storage trial. For extended storage, an expandable memory card slot (up to 128GB, not included) is available for local storage. The device also supports multi-user sharing, allowing multiple individuals to view the live feed simultaneously.

5.5 Dual Squirrel-Proof Protection

The feeder incorporates a reinforced anti-squirrel mesh barrier and AI-driven detection. When squirrels are detected, the system can trigger a high-decibel alarm to deter them, protecting the birdseed.



Figure 6: Dual squirrel-proof system in action.

6. Power Management

The Loatos Smart Bird Feeder is powered by a high-efficiency 3W solar panel and a 4000mAh rechargeable battery, ensuring continuous, eco-friendly operation. The solar panel charges the internal battery, minimizing the need for manual recharging.



Figure 7: Solar panel for continuous power.

7. Maintenance

7.1 Cleaning

Regularly clean the feeder, especially the bird bath and feeding platform, to prevent mold and bacterial growth. Use mild soap and water, ensuring all parts are thoroughly rinsed and dried before refilling.

7.2 Refilling

Monitor birdseed and water levels regularly and refill as needed. The transparent design allows for easy visual inspection.

8. Troubleshooting

- **No Power:** Ensure the solar panel is clean and receiving direct sunlight. Check the charging cable connection.
- **WiFi Connection Issues:** Verify your WiFi network is 2.4GHz. Ensure the feeder is within range of your router.

Restart the feeder and your router if necessary.

- **No Alerts:** Check app notification settings on your phone and within the feeder's app. Ensure motion detection is enabled.
- **Poor Video Quality:** Check your WiFi signal strength. Ensure the camera lens is clean and free from obstructions.

9. Specifications

Feature	Specification
Brand	Loatos
Model Number	TV-D10
Camera Resolution	5MP Ultra HD
Lens Angle	130° Wide Angle
Power Source	Solar Powered (3W panel)
Battery Capacity	4000mAh Rechargeable
Connectivity	2.4GHz WiFi
Weather Resistance	IP65 Waterproof
Operating Temperature	-4°F to 144°F
Storage Options	Cloud (30-day trial), Micro SD Card (up to 128GB, not included)
Product Dimensions	9"L x 7"W x 11"H
Item Weight	3.34 pounds

10. Official Product Video

Watch this video for a detailed overview and demonstration of the Loatos Smart Bird Feeder's features and setup.

▶ **Watch video online**
Watch Birds Up Close - Anytime

Video: "Watch Birds Up Close - Anytime" by Pecan Meadows Farm, demonstrating the bird feeder's capabilities.

11. Warranty and Support

Warranty information and customer support details are typically provided with your product packaging or can be found on the official Loatos website. Please refer to those resources for specific terms and contact information.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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