Defender EBDPHD2C-128

Defender Phoenix HD Security System User Manual

Model: EBDPHD2C-128

Introduction   Package Contents   Setup   Operation   Troubleshooting   Specifications   Warranty & Support

1. INTRODUCTION

The Defender Phoenix HD Security System provides a reliable and easy-to-use surveillance solution for your home or business. This system features HD cameras, a 10.1-inch touchscreen monitor, secure wireless connectivity, two-way talk, and motion detection capabilities. Designed for quick setup, it offers local recording without monthly fees.

2. PACKAGE CONTENTS

Verify that all components are present in your package:

- 10.1-inch Touchscreen Monitor with built-in speaker and microphone
- HD Cameras with microphone (2 units)
- Power adapters for monitor and cameras
- Mounting hardware (screws and anchors)
- 128 GB Micro SD Card (pre-installed or included separately)

3. SETUP GUIDE

The Defender Phoenix HD system is designed for true plug-and-play setup, typically taking less than 3 minutes. No professional installation is required.

3.1. Camera Installation

1. **Choose a Location:** Select a suitable outdoor location for your cameras, ensuring a clear view of the area you wish to monitor. The cameras are IP66 rated weatherproof, suitable for various outdoor conditions.

2. **Mount the Camera:** Use the provided mounting hardware to securely attach the camera to a wall or desired surface. Ensure the camera is positioned to capture the intended surveillance area.

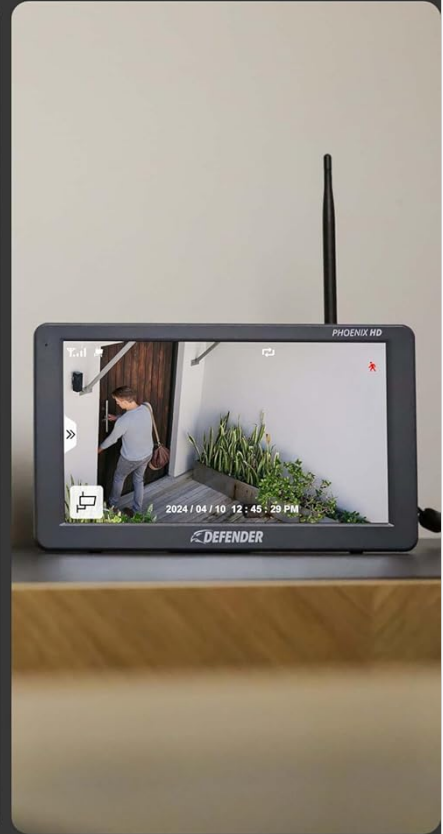3. **Connect Power:** Plug the camera's power adapter into a standard electrical outlet.

Figure 3.1: Steps for camera mounting and power connection. The image illustrates mounting a camera to a wooden post, plugging a power adapter into a wall outlet, and a monitor displaying a live camera feed, demonstrating the simple setup process.

3.2. Monitor Setup

1. **Position the Monitor:** Place the 10.1-inch touchscreen monitor in a central location within your home or business where you can easily view it.

2. **Connect Power:** Plug the monitor's power adapter into a standard electrical outlet.

3. **Automatic Pairing:** The cameras and monitor are pre-paired for immediate use. Once both are powered on, the monitor will automatically display the camera feeds.

Figure 3.2: The 10.1-inch touchscreen monitor. This image highlights the large display and touch interface of the monitor, showing a live feed from a security camera.

4. OPERATING INSTRUCTIONS

The Phoenix HD system utilizes secure GigaXtreme Technology for a wireless range of up to 1000ft, ensuring a reliable connection without reliance on Wi-Fi.

4.1. Viewing Live Feeds

The 10.1-inch touchscreen monitor provides a clear display of your camera feeds. You can switch between single, split, or quad-screen viewing modes directly on the monitor's interface.

Figure 4.1: Secure wireless connection. This image demonstrates the robust wireless signal between the camera and the monitor, highlighting the system's extended range and secure GigaXtreme technology.

4.2. Motion Detection

The system features accurate motion detection that scans and identifies movements within the camera's field of view. When motion is detected, the system instantly triggers alerts directly to your monitor, helping to prevent false alarms.

Figure 4.2: Motion detection alerts. This image visually represents the motion detection feature, showing a red box around a moving object in the camera's view and a notification bell on the monitor, indicating a real-time alert.

4.3. Two-Way Talk

Utilize the two-way talk feature to communicate directly through your monitor to the cameras. The monitor and cameras are equipped with crisp audio recording and clear speakers, allowing for effective communication with individuals near the cameras.

Figure 4.3: Two-way talk functionality. This image illustrates the two-way communication capability, showing speech bubbles between the monitor and a person in the camera's view, demonstrating how users can speak and listen.

4.4. Recording and Storage

The system records footage locally to the included 128 GB Micro SD card, eliminating the need for monthly fees. You can configure recording settings for scheduled, manual, or motion-activated recording directly from the monitor.

Figure 4.4: Local recording to Micro SD card. This image highlights the monitor's Micro SD card slot and mentions different storage capacities, emphasizing the system's local recording feature without subscription fees.

4.5. Weatherproof Design

The cameras are designed for outdoor use with an IP66 weatherproof rating, ensuring durability and reliable performance in various weather conditions, from -20°C (-4°F) to 60°C (140°F).

Figure 4.5: IP66 rated weatherproof cameras. This image shows a camera enduring rain, with a temperature scale indicating its operational range, demonstrating its robust weatherproof design for outdoor environments.

5. TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your Defender Phoenix HD Security System.

- **No Image on Monitor:**

  - Ensure both the monitor and cameras are properly powered on and connected to electrical outlets.
  - Verify that the cameras are within the wireless range of the monitor (up to 1000ft).
  - Check for any obstructions that might interfere with the wireless signal.

- **Poor Image Quality:**

  - Clean the camera lens with a soft, dry cloth.
  - Ensure adequate lighting in the surveillance area, especially for night vision performance.

- **Motion Detection Not Triggering:**

- Adjust the motion detection sensitivity settings on the monitor.
- Ensure the camera's field of view covers the desired detection area.

- **No Audio from Camera/Monitor:**

  - Check the volume settings on the monitor.
  - Ensure the microphone and speaker on both the camera and monitor are not obstructed.

6. SPECIFICATIONS

Feature	Detail
Model Name	PHOENIXHD
Item Model Number	EBDPHD2C-128
Video Capture Resolution	1080P (1920×1080)
Frame Rate	15 FPS
Viewing Angle	100 Degrees
Night Vision Range	15 Metres
Wireless Communication	GigaXtreme Technology (FHSS)
Connectivity Technology	Wireless
Indoor/Outdoor Use	Outdoor (IP66 Rated)
Special Features	Motion detection, Scheduled/Manual recording, IR Night Vision, Speaker
Included Components	Monitor with built-in speaker and mic, Cameras with mic
Power Source	DC power
Voltage	14 Volts
Wattage	10 watts
Monitor Size	10.43 x 6.22 x 1.25 inches
Camera Size	7.97 x 3.13 x 2.98 inches
Product Dimensions	20.24 x 7.95 x 7.57 cm; 2.02 kg
Manufacturer	Empowerment Technologies inc.

7. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your product or visit the official Defender website. Keep your purchase receipt as proof of purchase for any warranty claims.

Online Support: www.defender-usa.com/support (Example Link)

Customer Service: Refer to your product packaging for contact numbers.