DS-1530HMI Mobile Alarm Terminal

User Manual (V1.0)

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About this Manual

This Manual is applicable to DS-1530HMI Mobile Alarm Terminal.

The Manual includes instructions for using and managing the product. Pictures, charts, images and all other information hereinafter are for description and explanation only. The information contained in the Manual is subject to change, without notice, due to firmware updates or other reasons. Please find the latest version in the company website.

Please use this user manual under the guidance of professionals.

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Regulatory Information

FCC Information

FCC compliance: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

FCC Conditions

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.

2. This device must accept any interference received, including interference that may cause undesired operation.

EU Conformity Statement

This product and - if applicable - the supplied accessories too are marked with "CE" and comply therefore with the applicable harmonized European standards listed under the EMC Directive 2004/108/EC, the RoHS Directive 2011/65/EU.

2012/19/EU (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: www.recyclethis.info

2006/66/EC (battery directive): This product contains a battery that cannot be disposed of as unsorted municipal waste in the European Union. See the product documentation for specific battery information. The battery is marked with this symbol, which may include lettering to indicate cadmium (Cd), lead (Pb), or mercury (Hg). For proper recycling, return the battery to your supplier or to a designated collection point. For more information see: www.recyclethis.info

Industry Canada ICES-003 Compliance

This device meets the CAN ICES-3 (A)/NMB-3(A) standards requirements.

Safety Instruction

- When installing the monitor, install it in a proper place where can't affect drivers sight.
- Do not disassemble the device by yourself.
- Do not place the device in damp or hot environment.
- Good ventilation is required for placing the device and do not place the device at the sun or extra bright places to ensure the LED screen can be read.
- Regular inspection and maintenance is require

Preventive and Cautionary Tips

Before connecting and operating your device, please be advised of the following tips:

- Ensure unit is installed in a well-ventilated, dust-free environment.
- Keep all liquids away from the device.
- Ensure environmental conditions meet factory specifications.
- Ensure unit is properly secured to a rack or shelf. Major shocks or jolts to the unit as a result of dropping it may cause damage to the sensitive electronics within the unit.
- Power down the unit before connecting and disconnecting accessories and peripherals.
- Improper use or replacement of the battery may result in hazard of explosion. Replace with the same or equivalent type only. Dispose of used batteries according to the instructions provided by the battery manufacturer.

Chapter 1 Introduction

1.1   Overview

The mobile alarm terminal is pressed by the driver in emergency. The terminal provides three LED indicators, respectively showing mobile DVR's power status, recording status and error status, which is convenient for users to know the mobile DVR's status, as well as beneficial for malfunction investigation.

1.2   Components

The DS-1530HMI Mobile Alarm Terminal is composed of panic button, ERROR, RECORD, and POWER indicators shown as the figure below.

Figure 1. 1 Physical Interface

Along with the mobile alarm terminal, an eight-meter long adapter cable is provided with one five-pin female aviation plug for connecting to DVR and the other H2 $\times$ 2 interface for connecting to mobile alarm terminal. The adapter cable is shown as below.

Figure 1. 2 Adapter Cable

Chapter 2 Connecting Cables

DS-1530HMI Mobile Alarm Terminal is connected with mobile DVR by RS-232 shown as the figure below.

Figure 2. 1 Connection

Chapter 3 Function Introduction

3.1 Indicator

After the mobile DVR and mobile alarm terminal have been connected, the indicator shows the mobile DVR's working status. The terminal provides three LED indicators, respectively showing power status, recording status, and error status.

● **POWER**

Power on: green

Power down: unlit

● **RECORD**

All cameras are recording: green

Part of cameras are recording: yellow

No camera is recording: unlit

● **ERROR**

Connection with mobile DVR error: red

Video loss or abnormal storage media: red, flashing at 0.5s interval

NOTE Error types have been set and the user cannot modify them.

3.2 Triggering Alarm

When emergency happens, press and then release the panic button. The terminal sends alarm information to Mobile DVR which performs the following actions.

1. Pre-set camera alarm is reported to CMS (Content Management System).

2. Pre-set camera starts alarm recording.

NOTE

The recording schedule should contain pre-recording time settings.

3. Release the panic button to stop alarm. When the post-recording stops, all of the triggered recording channels stop alarm recording as well.

4. All the alarm time are recorded in video files and remote logs.

3.3 Signal Capture by Acceleration Sensor

A built-in acceleration sensor is used for capturing real-time acceleration signal and the default sampling period is 100ms. The function requires the proper installation position and you are recommended to place the terminal horizontally, ensuring the Z-axis is vertical upwards. The advancing direction is X-axis by default, the installation position is shown as the below.

Figure 3. 1 Installation Position

NOTE Calibration is required before enabling acceleration sensor. Within the 10s after the power indicator has been lighted, press the panic button for 3s, then the power indicator flashes for twice, indicating the calibration is successfully set.

3.4 Sending Signals from Terminal

The remote control is able to capture the signal not only sent by the Mobile DVR, but also by the terminal, which greatly facilitates the Mobile DVR's signal capture.

Chapter 4 Specifications

Table 4.1 Specifications

Model	DS-1530HMI
Power Supply	5V/30mA or 12V/15mA
Indicator	three indicators to indicate power, record and error status
Dimensions (W×D×H)	80 mm ×30 mm × 19 mm (3.15" ×1.18" ×0.75")
Working Temperature	-10 °C to 55 °C (14 °F to 131 °F)

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