

Mobile Screen (MLCDF7 Series)

Quick Start Guide



Foreword

Safety Instructions

The following signal words might appear in the manual.

Signal Words	Meaning
 WARNING	Indicates a medium or low potential hazard which, if not avoided, could result in slight or moderate injury.
 CAUTION	Indicates a potential risk which, if not avoided, could result in property damage, data loss, reductions in performance, or unpredictable results.
 NOTE	Provides additional information as a supplement to the text.

Revision History

Version	Revision Content	Release Time
V1.0.2	Modify the function of F2 button.	2025.01
V1.0.1	Modify the function of button.	2023.09
V1.0.0	First release.	2023.08

Important Safeguards and Warnings

This section introduces content covering the proper handling of the device, hazard prevention, and prevention of property damage. Read carefully before using the device, and comply with the guidelines when using it.

Operation Requirements



- Pack the device with packaging provided by its manufacturer or packaging of the same quality before transporting it.
- Avoid heavy stress, violent vibration, and immersion during transportation.
- Transport the device under allowed humidity and temperature conditions. Refer to the technical parameters for requirements on the transporting temperature and humidity of the device.

Storage Requirements



- Store the device under allowed humidity and temperature conditions. Refer to the technical parameters for requirements on the storing temperature and humidity of the device.
- Avoid heavy stress, violent vibration, and immersion during storage.

Installation Requirements



- Make sure that the power is off when you connect the cables, install or disassemble the device.
- For devices with earthing systems, make sure they are grounded to avoid being damaged by static electricity or induced voltage, and prevent electrocution from occurring.
- All installation and operations must conform to local electrical safety regulations.
- Use accessories suggested by the manufacturer, and installed by professionals.
- Do not block the ventilator of the device, and install the device in a well-ventilated place.
- Do not expose the device to heat sources or direct sunlight, such as radiator, heater, stove or other heating equipment, which is to avoid the risk of fire.
- Do not place the device in explosive, humid, dusty, extremely hot or cold sites with corrosive gas, strong electromagnetic radiation or unstable illumination.
- Avoid heavy stress, violent vibration, and immersion during installation.

Operation Requirements



A suitable operating environment is the foundation for the device to work properly. Confirm whether the following conditions have been met before use.

- Use the device under allowed humidity and temperature conditions. Refer to the technical parameters for requirements on the operating temperature and humidity of the device.
- Use the device on a stable base.
- Do not let any liquid flow into the device to avoid damage to internal components. When liquid flows into the device, immediately disconnect the power supply, unplug all cables connected to it, and contact after-sales service.
- Back up data in time during deployment and use, in an effort to avoid data loss caused by abnormal operation. The company is not liable for data security.
- The company is not responsible for damages to the device or other product problems caused by excessive use or other improper use.

Maintenance Requirements



- Contact professionals for regular inspection and maintenance of the device. Do not disassemble or dismantle the device without a professional present.
- Use accessories suggested by the manufacturer, and maintain the device by professionals.

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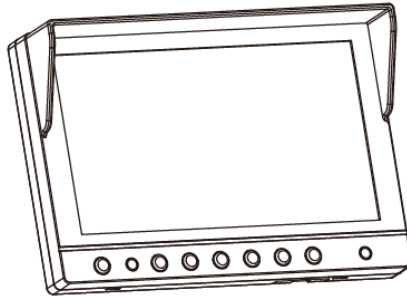
1 Structure

1.1 Unpack and Check



- The following figures are for reference only, and the actual product shall prevail.
- For tools or accessories not mentioned in the box, please purchase them as needed.

Figure 1-1 Unpack and Check



Mobile Screen × 1



Bracket × 1

1.2 Appearance

Buttons

Figure 1-2 Front panel



Table 1-1 Buttons functions

Icon	Description	Icon	Description
	Screen On/Off		Turn down volume: After the menu displayed, press this button to turn down brightness or select auto or manual adjustment.
	Screen indicator light: The indicator light is on when screen is on.		Mirror setting: Supports vertical, horizontal, left, and right display of channel.
	Menu button: Press to display the adjusting brightness interface. Press twice to adjust brightness automatically or manually.		● MLCDF7-T: Press to display the main menu interface of video recorder. ● MLCDF7-D: Switch the video output channel to CAM1/CAM2. ● MLCDF7-E: Reserved.
	Turn up volume: After the menu displayed, press this button to turn up brightness or select auto or manual adjustment.		● MLCDF7-T, MLCDF7-D: Press to display the menu of live view interface. Also serves as a back button, supporting the return to the previous interface. ● MLCDF7-E: Reserved.



Due to different resolution of video recorders, image on MLCDF7-T may out of center. Long press the F2 key for more than 10 seconds to enable resolution self-adaptation of screen.

Touch Screen

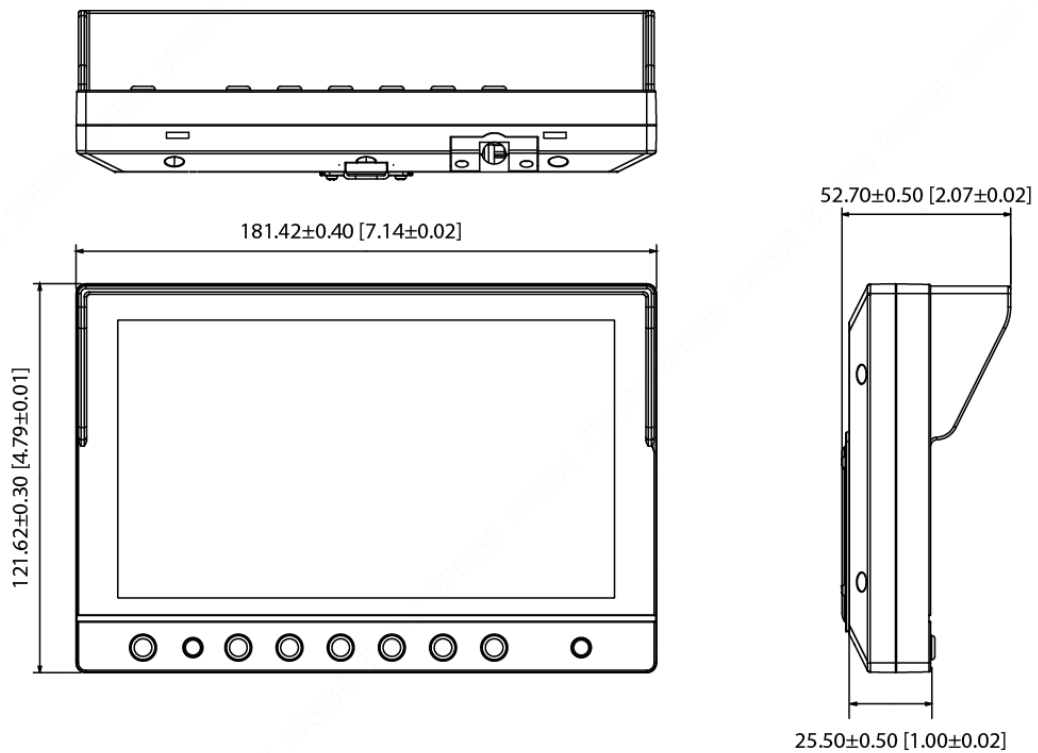


Only MLCDF7-T and MLCDF7-D have touch screen.

- Touch control: Touch the interface on the screen to operate and configure the device.
- Pattern: In live view mode of View 1, if the corresponding channel is PTZ, you can control it on the screen by sliding up, down, left, and right. Zoom in or zoom out gestures can control the PTZ to zoom and focus (This function is available with the support of program on the video recorder.)

1.3 Dimension

Figure 1-3 Dimension(mm[inch])



1.4 Port Definition



The port of cables of different models may vary, and the actual product shall prevail.

1.4.1 MLCDF7-T

Figure 1-4 10-pin aviation connector

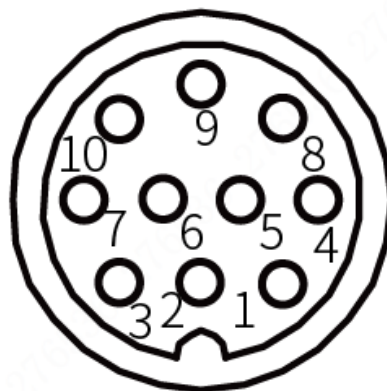


Table 1-2 Definition of 10-pin aviation connector

No.	Definition	No.	Definition
1	12V+	6	VGA_B
2	GND	7	VGA_R
3	VGA_G	8	RS232_TX
4	RS232_RX	9	VGA_HS
5	Audio	10	VGA_VS

1.4.2 MLCDF7-D

Figure 1-5 7-pin aviation connector

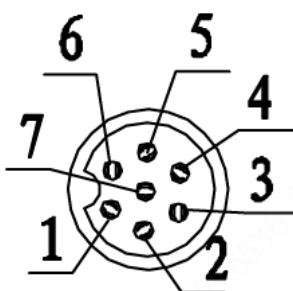


Table 1-3 Definition of 7-pin aviation connector

No.	Definition
1	VCC
2	GND
3	RS485A
4	RS485B
5	Audio_IN
6	CVI
7	-

Figure 1-6 Audio and video input port

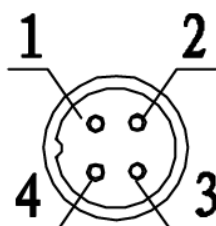


Table 1-4 Definition of audio and video input port

No.	Definition
1	12V OUT
2	GND
3	Audio_IN
4	CVI

Figure 1-7 Signal port

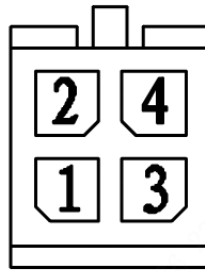


Table 1-5 Definition of signal port

No.	Definition
1	VBAT
2	PGND
3	RS485A
4	RS485B

Figure 1-8 Alarm port

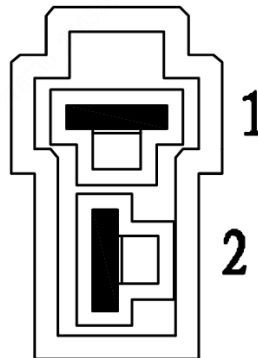


Table 1-6 Definition of alarm port

No.	Definition
1	ALARM1
2	ALARM2

1.4.3 MLCDF7-E

Figure 1-9 4-pin aviation connector

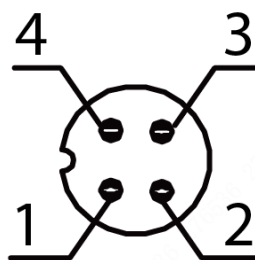


Table 1-7 Definition of 4-pin aviation connector

No.	Definition
1	12V+
2	GND
3	Audio
4	CVBS

2 Installation

2.1 Installing Bracket

The steps of fixing screen with bracket are as follows.

Step 1 Take out screen and bracket from the package, see Figure 2-1.

Figure 2-1 Preparation



Step 2 Align the bracket with the rail of screen, see Figure 2-2.

Figure 2-2 Installing bracket on the screen



Step 3 Properly adjust the bracket, see Figure 2-3.

Figure 2-3 Fixing bracket



Step 4 Rotating the black nut clockwise to fix bracket.

Figure 2-4 Installation completed

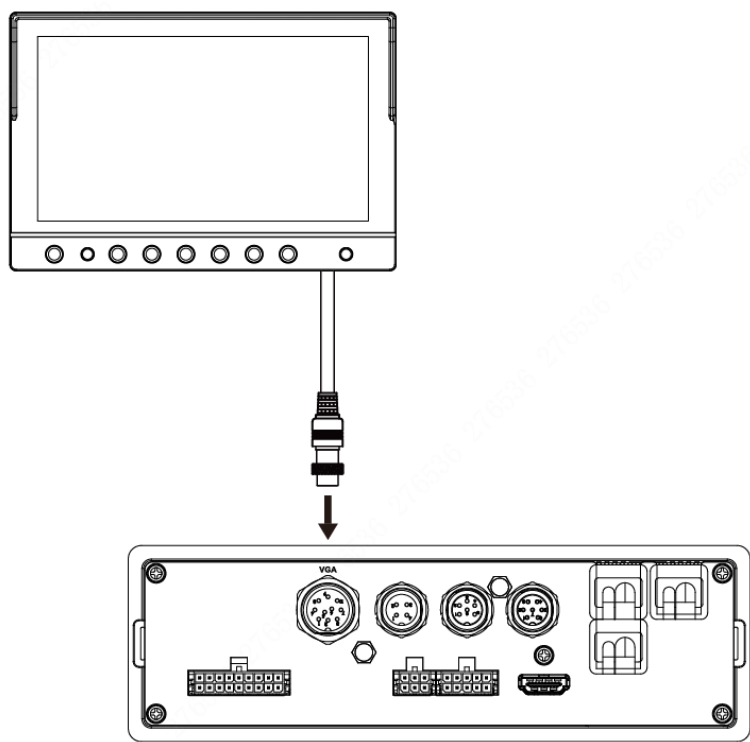


2.2 Cable Connection

Connect the cable of screen to mobile video recorder, see Figure 2-5 and Figure 2-6. The mobile video recorder takes some models as the examples, and the actual model shall prevail.

MLCDF7-T/MLCDF7-E

Figure 2-5 Cable connection (1)



MLCDF7-D

Figure 2-6 Cable connection (1)

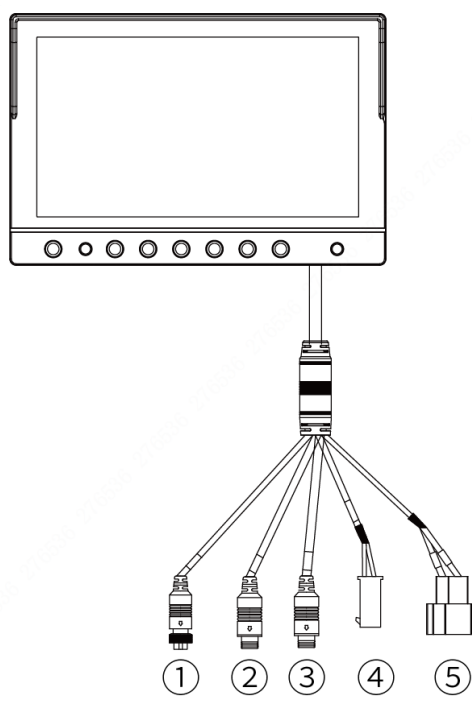


Table 2-1 Description of cable connection

No.	Description
①	Connect to SCREEN port of mobile video recorder.
②/③	Connect to camera.

No.	Description
④	Connect to RS485 peripherals.
⑤	Connect to alarm peripherals.