



HF-VTR344 Fire Detection Camera

Quick Start Guide

Product Information

Read all information and instructions in this document carefully before using the device and keep it for future reference. For more device information and instructions, please visit our website at <https://www.hikvision.com>. You can also refer to other documents (if any) accompanying the device or scan the QR code (if any) on the packaging to get more information.

About this Document

- This Document includes instructions for using and managing the Product. Pictures, charts, images and all other information herein are for description and explanation only.
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- CAUTION: Risk of explosion if the battery is replaced by an incorrect type.
- Improper replacement of the battery with an incorrect type may defeat a safeguard (for example, in the case of some lithium battery types).
- Do not dispose of the battery into fire or a hot oven, or mechanically crush or cut the battery, which may result in an explosion.
- Do not leave the battery in an extremely high temperature surrounding environment, which may result in an explosion or the leakage of flammable liquid or gas.
- Do not subject the battery to extremely low air pressure, which may result in an explosion or the leakage of flammable liquid or gas.
- Dispose of used batteries according to the instructions.

English

Diagram Reference

1 Cautions

- In the use of the product, you must be in strict compliance with the electrical safety regulations of the nation and region.
- Correctly install and maintain the camera. Although camera can help save lives by providing an early warning of a fire, they are not a substitute for an insurance policy. Home owners should have adequate insurance to protect their lives and properties.
- The camera is only suitable for safe use in areas below 2000 m above sea level and under non-tropical conditions.
- The camera has multiple power supplies. Please disconnect all power supplies during maintenance.
- According to relevant national standards, when supplying power to weak current equipment, the power supply current shall not exceed 8 A and the power shall not exceed 100 W to prevent safety accidents.
- If it is necessary to use it in a special environment (such as peak, iron tower, forest, etc.), please add lightning arrester at the equipment inlet.
- Do not aim the lens at strong light (such as light illumination, sunlight or laser beam, etc.), otherwise the image sensor will be damaged.
- Do not touch the image sensor directly. If it is necessary to clean it, please slightly wet the soft and clean cloth with alcohol and gently wipe away the dust; When the product is not used, please add the dust cover to protect the image sensor.
- To ensure the normal detection of the camera, do not use hair spray, insecticide, diluent and other substances that can produce colloidal suspension near the alarm.
- No naked flame sources, such as lighted candles, should be placed on the equipment.
- The product is a camera, which can send out audible and visual alarm signals in the event of fire, but cannot extinguish fire.
- Do not be at high volume for a long time near to the ears to prevent hearing impairment.
- Keep the packing so that in case of any problem, pack the alarm in its original packing and send it to the agent or return it to the factory for disposal.
- If the camera does not work properly, contact the dealer or the nearest service center. Never attempt to disassemble the camera yourself. (We shall not assume any responsibility for problems caused by unauthorized repair or maintenance.)

2 Appearance

1. Speaker	2. MicroSD Slot	3. RESET Button
4. Debug UART	5. Visible light Camera	6. Fire Detector
7. Thermal Imaging Camera	8. Sun Shield	9. Infrared Light
10. Microphone	11. Indicator	

3 Interface and Wiring

A. Interface

1. 4 ~ 20 mA Interface	2. RS-485 Interface	3. Power Input Interface
4. Network Interface	5. Alarm Interface	6. Audio Output Interface
7. Audio Input Interface		

B. Wiring

- Pull off the green plug on the connector.
- Turn the micro slotted screwdriver counterclockwise to loosen the screw, place the cable and tighten the screw.
- After wiring, clip the plug into the corresponding green socket.

C. Alarm Interface

• No. Sign	Wiring Instruction	• No. Sign	Wiring Instruction
1 IN1	Alarm Input Device 1+	1 D-	RS-485 Signal B
3 GND	Alarm Input Device 1-	2 D+	RS-485 Signal A
2 IN2	Alarm Input Device 2+	3 GND	Alarm Input Device 2-

D. RS-485 Interface

• No. Sign	Wiring Instruction	• No. Sign	Wiring Instruction
4 OUT1A	Alarm Output Device 1	1 L-	Current Output -
5 OUT1B	Alarm Output Device 1	2 L+	Current Output +
6 OUT2A	Alarm Output Device 2		
7 OUT2B	Alarm Output Device 2		

E. Power Output Interface

No. Sign	Wiring Instruction
1 +	Power Input Positive Pole
2 -	Power Grounding
3 -	Power Input Negative Pole

F. Power Input Interface

No. Sign	Wiring Instruction
1 +	Power Input Positive Pole
2 -	Power Grounding
3 -	Power Input Negative Pole

G. Power Output Interface

No. Sign	Wiring Instruction
1 +	Power Input Positive Pole
2 -	Power Grounding
3 -	Power Input Negative Pole

H. Alarm Interface

No. Sign	Wiring Instruction
1 IN1	Alarm Input Device 1+
3 GND	Alarm Input Device 1-
2 IN2	Alarm Input Device 2+
4 OUT1A	Alarm Output Device 1
6 OUT2A	Alarm Output Device 2

I. RS-485 Interface

No. Sign	Wiring Instruction
1 D-	RS-485 Signal B
2 D+	RS-485 Signal A

J. Power Output Interface

No. Sign	Wiring Instruction
1 L-	Current Output -
2 L+	Current Output +

K. Power Input Interface

No. Sign	Wiring Instruction
1 +	Power Input Positive Pole
2 -	Power Grounding
3 -	Power Input Negative Pole

L. Alarm Interface

No. Sign	Wiring Instruction
1 IN1	Alarm Input Device 1+
3 GND	Alarm Input Device 1-
2 IN2	Alarm Input Device 2+
4 OUT1A	Alarm Output Device 1
6 OUT2A	Alarm Output Device 2

M. Power Output Interface

No. Sign	Wiring Instruction
1 D-	RS-485 Signal B
2 D+	RS-485 Signal A

N. Power Input Interface

No. Sign	Wiring Instruction
1 L-	Current Output -
2 L+	Current Output +

O. Alarm Interface

No. Sign	Wiring Instruction
1 IN1	Alarm Input Device 1+
3 GND	Alarm Input Device 1-
2 IN2	Alarm Input Device 2+
4 OUT1A	Alarm Output Device 1
6 OUT2A	Alarm Output Device 2

P. Power Output Interface

No. Sign	Wiring Instruction
1 D-	RS-485 Signal B
2 D+	RS-485 Signal A

Q. Power Input Interface

No. Sign	Wiring Instruction
1 L-	Current Output -
2 L+	Current Output +

R. Alarm Interface

No. Sign	Wiring Instruction
1 IN1	Alarm Input Device 1+
3 GND	Alarm Input Device 1-
2 IN2	Alarm Input Device 2+
4 OUT1A	Alarm Output Device 1
6 OUT2A	Alarm Output Device 2

S. Power Output Interface

No. Sign	Wiring Instruction
1 D-	RS-485 Signal B
2 D+	RS-485 Signal A

T. Power Input Interface

No. Sign	Wiring Instruction
1 L-	Current Output -
2 L+	Current Output +

U. Alarm Interface

No. Sign	Wiring Instruction
1 IN1	Alarm Input Device 1+
3 GND	Alarm Input Device 1-
2 IN2	Alarm Input Device 2+
4 OUT1A	Alarm Output Device 1
6 OUT2A	Alarm Output Device 2

V. Power Output Interface

No. Sign	Wiring Instruction
1 D-	RS-485 Signal B
2 D+	RS-485 Signal A

W. Power Input Interface

No. Sign	Wiring Instruction
1 L-	Current Output -
2 L+	Current Output +

X. Alarm Interface

No. Sign	Wiring Instruction
1 IN1	Alarm Input Device 1+
3 GND	Alarm Input Device 1-
2 IN2	Alarm Input Device 2+
4 OUT1A	Alarm Output Device 1
6 OUT2A	Alarm Output Device 2

Y. Power Output Interface

No. Sign	Wiring Instruction
1 D-	RS-485 Signal B
2 D+	RS-485 Signal A

Z. Power Input Interface

No. Sign	Wiring Instruction
1 L-	Current Output -
2 L+	Current Output +

A. Alarm Interface

No. Sign	Wiring Instruction
1 IN1	Alarm Input Device 1+
3 GND	Alarm Input Device 1-
2 IN2	Alarm Input Device 2+
4 OUT1A	Alarm Output Device 1
6 OUT2A	Alarm Output Device 2

B. Power Output Interface

No. Sign	Wiring Instruction
1 D-	RS-485 Signal B
2 D+	RS-485 Signal A

C. Power Input Interface

No. Sign	Wiring Instruction
1 L-	Current Output -
2 L+	Current Output +

D. Alarm Interface