

UTC Controller

User's Manual

V1.0.3

General

This User's Manual (hereinafter referred to as the "Manual") introduces functions, features, battery installation and mode switching of the UTC (up the coax) controller (hereinafter referred to as the "Controller").

Safety Instructions

The following categorized signal words with defined meaning might appear in the Manual.

Signal Words	Meaning
 CAUTION	Indicates a potential risk which, if not avoided, could result in property damage, data loss, lower performance, or unpredictable result.
 NOTE	Provides additional information as the emphasis and supplement to the text.

Revision History

No.	Version	Revision Content	Release Time
1	V1.0.0	First Release.	July 7, 2017
2	V1.0.1	Procedures were improved.	July 25, 2017
3	V1.0.2	Update.	July 9, 2018
4	V1.0.3	Update.	March 15, 2019

Privacy Protection Notice

As the device user or data controller, you might collect personal data of others' such as face, fingerprints, car plate number, Email address, phone number, GPS and so on. You need to be in compliance with the local privacy protection laws and regulations to protect the legitimate rights and interests of other people by implementing measures include but not limited to: providing clear and visible identification to inform data subject the existence of surveillance area and providing related contact.

About the Manual

- The Manual is for reference only. If there is inconsistency between the Manual and the actual product, the actual product shall prevail.
- We are not liable for any loss caused by the operations that do not comply with the Manual.
- The Manual would be updated according to the latest laws and regulations of related regions. For detailed information, see the paper manual, CD-ROM, QR code or our official

website. If there is inconsistency between paper manual and the electronic version, the electronic version shall prevail.

- All the designs and software are subject to change without prior written notice. The product updates might cause some differences between the actual product and the Manual. Please contact the customer service for the latest program and supplementary documentation.
- There still might be deviation in technical data, functions and operations description, or errors in print. If there is any doubt or dispute, please refer to our final explanation.
- Upgrade the reader software or try other mainstream reader software if the Manual (in PDF format) cannot be opened.
- All trademarks, registered trademarks and the company names in the Manual are the properties of their respective owners.
- Please visit our website, contact the supplier or customer service if there is any problem occurred when using the device.
- If there is any uncertainty or controversy, please refer to our final explanation.

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The Controller is installed between HDCVI camera and DVR (digital video recorder) through coaxial cable. After installing HDCVI camera and connecting it to DVR, you can set up the camera by the Controller. The Controller has the following features:

- Switch among multiple video formats: CVI, AHD, TVI, and CVBS.
- Supports OSD menu control and zoom control in CVBS video format.
- Quick start from sleep mode with one button.
- Low power consumption in standby mode.
- Easy and simple to operate.

2 Battery Installation



CAUTION

- Put batteries into the battery holder correctly according to their anodes and cathodes.
- Use two new AAA alkaline dry batteries.
- Take the batteries out of the Controller in case of battery leakages if the Controller is not used for a long period.
- Do not use new batteries and old ones at the same time, and do not use batteries with different modes at the same time.
- Properly dispose the batteries that you replaced.

Step 1 Pull the battery cover off the Controller.

Step 2 Put two new AAA alkaline dry batteries (not provided) into the battery holder, and make sure the "+" side of the battery touches the "+" terminal.

Step 3 After correctly inserting the battery, close the battery cover.

3 Switching Mode

Two modes are available for the Controller: Mode A and Mode B.

- Mode A: You can switch among four video formats: CVI, CVBS, AHD, and TVI.
 - Mode B: You can adjust OSD menu and realize zoom control in CVBS video format.
- You can press and hold ENTER + CVI for 8 s to switch between Mode A and Mode B. For details of buttons, see Figure 3-1 and Table 3-1.



- It is Mode A by default after the Controller is started.
- The Controller is only applicable to HDCVI cameras that support multiple video formats and with resolution of 1080P and below.
- When switching modes, exit from the OSD menu first by selecting Exit on OSD menu.
- If the Controller is not used for a long period, take the batteries out of the battery holder.

Figure 3-1 Connector/Button

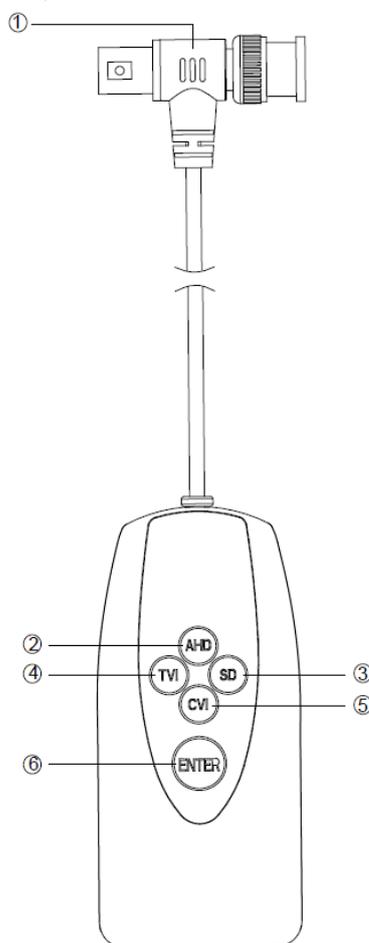


Table 3-1 Connector/Button description

No.	Connector/Button	Function
①	BNC male to female connector	Connects to HCVR video channel port and HDCVI camera.
②	AHD	<ul style="list-style-type: none"> ● In Mode A: AHD video format. It corresponds to blue indicator. ● In Mode B: Adjust OSD information.

No.	Connector/Button	Function
③	SD	<ul style="list-style-type: none"> ● In Mode A: CVBS video format. It corresponds to red indicator. ● In Mode B: Adjust OSD information and realize zoom control.
④	TVI	<ul style="list-style-type: none"> ● In Mode A: TVI video format. It corresponds to green indicator. ● In Mode B: Adjust OSD information and realize zoom control.
⑤	CVI	<ul style="list-style-type: none"> ● In Mode A: CVI video format. It corresponds to orange indicator. ● In Mode B: Adjust OSD information.
⑥	ENTER	<p>Press ENTER to start the Controller.</p>  <p>If there is no operation for the Controller within 30 s, the red indicator turns off, and the Controller enters low power mode.</p>
⑥ + ⑤	ENTER + CVI	<p>Press and hold ENTER + CVI to switch between Mode A and Mode B, and the red indicator glows (Mode A) or flashes (Mode B).</p>  <p>It is Mode A by default after the Controller is started, and the red indicator glows. Switch the video format to CVBS (see steps in Mode A), and then press and hold ENTER + CVI for 5 s, the red indicator flashes. Mode B is successfully switched.</p>

Mode A

Step 1 Connect the Controller to the camera and the recorder.

Step 2 Press ENTER to start the Controller.

After starting the Controller, indicators corresponding to the four buttons above the ENTER button glow for 1 s, and after the Controller detected the current video format, only indicator corresponds to this format glows.



For indicators correspond to different formats, see Table 3-1.

Step 3 Press and hold the button of target video format for 8 s, until indicator corresponds to the current video format is off. Wait 3 s, and the indicator corresponds to the target video format glows. The video format is successfully switched.

Mode B

Step 1 Switch the video format to CVBS (see steps in Mode A), and then press and hold ENTER + CVI for 5 s to switch to Mode B.

After successfully switching to Mode B, the red indicator flashes. You can press and hold TVI or SD to zoom in/out.

Step 2 Press and hold ENTER for 5 s, and then the OSD menu of CVBS video format is displayed. You can select and adjust OSD information by pressing the buttons on the Controller.



- In Mode B, to zoom in/out, you need to exit from OSD menu first by selecting Exit on OSD menu.
- In Mode B, if there is no operation for 30 s, the Controller enters sleep mode. After pressing ENTER to wake up the Controller, it automatically enters Mode A, and the red indicator glows.