



VTC701AHD

7" 1080P Full HD Digital
Wireless Monitor and Camera System

USER MANUAL



Please read the instructional complete before use and keep it for future reference.

Product Features

- 1080P Full HD Image Quality
- 7" All View Angle IPS TFT LCD Panel
- Long Wireless Operational Range up to 300M
- Audio Monitoring with a Microphone Built into the Camera
- Camera with Heater Function
- Easy Installation and Operation

Contents



Monitor Set



Camera Set



12V Power Adapter
Power Chords



Mounting HW

Before Installation

- Please check contents.
- Perform bench test. Ensure the product is working before installation by connecting the monitor and the camera to 12VDC.
- Perform pre-install test, before mounting the monitor and the camera. In very rare instances, a running engine causes interference, resulting in image freezing and jerky object movements. In such situation, the monitor and the camera need to be moved and positioned at various places to determine the best performance position.

Wiring

- a. Monitor wiring:



12VDC - ACC

- b. Camera wiring:



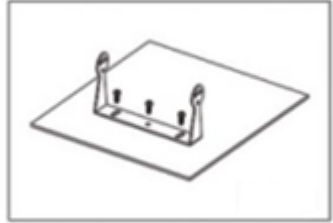
Pairing Button
12VDC – ACC

Installation

1. Pre-Installation
 - a. Run 12VDC power wires to position where the monitor and the camera will be placed.
 - b. Power on and position the monitor and the camera to find the best monitor viewing position and the camera view position.
 - c. Mark the positions.

2. Monitor Installation

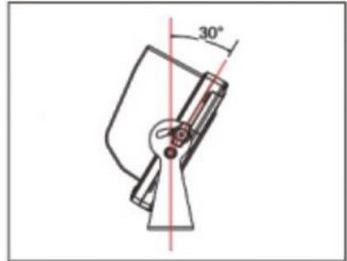
- a. Install the monitor bracket using the 3 self-tapping screws.
 - Screw in the center.
 - Adjust the angle.
 - Tighten all screws.



- b. Install the monitor using 2 bolts on each sided.
 - * Do not tighten bolts.



- c. Adjust the monitor angle.
 - * Tighten all bolts.



3. Camera Installation



- a. Install the camera bracket using the 3 self-tapping screws.
- b. Install camera and the shade over the camera.
- c. Adjust the camera angle and tighten.



Operation - Monitor Button Functions

Buttons




- ^{MENU} Menu Button: Color/Audio controls. Pressing, the button, loops through the **Brightness > Contrast > Saturation > Volume** controls.

	Decrease		Increase
Brightness	▼		▲
Contrast	▼		▲
Saturation	▼		▲
Volume	▼		▲

-  Power Button: Display (the screen saver mode) on/off.
-  Pairing Button: The camera and the monitor need to be paired for the camera to send the video to the correct monitor to be displayed. They come 'paired' from the factory. When a camera or a monitor is replaced, they must be 'paired' to work.

Pairing Procedure:

- Press the  pairing button, until "pairing" appears on the screen.



- Press the "pairing" ring the count-down, the camera's RED pairing button must be pressed.



Pairing Button
12VDC – ACC

- ^{L/R} Flip Button: Camera image flip. Pressing, the button, loops through the L/R U/D L/R U/D flips.

Normal	Upside Down	Mirror	Mirror – U/D

- Scale Line On/Off

Scale Line On	Scale Line Off

Monitor, Camera and Wireless Specifications

1. Monitor Specification

Panel:	7" Digital Panel TFT IPS panel
View Angle:	Full Angle of View
Resolution:	1024*600
Display Ratio:	16:9
Audio:	Speaker Built-in, Volume control buttons
Image Control:	Reverse / Non-Reverse (Horizontal Flip)
Parking Guidelines:	Display / No-Display (Selectable)
Power :	DC12V & DC24V (MAX. to 36V)
Power Consumption:	Less than 5W
Max. Current:	Less 450mA
Storage temperature:	-30°C~80°C
Working temperature:	-20°C to 70°C

2. Camera Specification

Image Sensor:	1/3 CMOS sensor
Effective Pixels:	1920 x 1080
Video Transmission:	1080P AHD
View Angle:	170° (Diagonal)
IR Night Vision:	IR
Night Vision IR distance:	up to 12ft
Audio:	Microphone Built-in
Temperature control:	Heater function
Environment:	IP68
Operating Voltage:	DC 12V & 24V
Power Consumption:	< 5W
Max. Current:	< 450mA
Storage temperature:	-30°C~80°C
Working temperature:	-20°C to 70°C

3. Wireless Specification

Operating frequency:	2.4GHz~2.4835GHz
Output Power:	17±1dBm @TYp 20dBm@max (if necessary)
Modulation Type:	FSK/GFSK
RX Sensitivity:	-89dBm(Typical)@4MHz BER:<1E-3
RF Bit Rate:	4MHz BER<1E-3
Spread Spectrum:	FHSS
Distance:	> 300M Open Line of Sight

WARRANTY INFORMATION

This limited warranty is given to the end-user or the retail purchaser (referred to this warranty as “Original Purchaser”) that it will be free from defects in material and workmanship for a period of one year from the date of the purchase of the new product (excluding accessory items such as power cords, cradle, memory card, adaptor, and cables).

This limited warranty does not cover any physical damage to, or misuse of, this product, damage caused by improper installation; improper use; misuse; neglect; repair of cracked, scratched, broken or modified cosmetics; or parts that have been altered or removed; damages done by another device used with this product resulting from use of non BOYO®-brand parts. This warranty is VOID if you purchased this product as used, floor model sample, or refurbished; if the product has been altered or modified in any way (including but not limited to attempted repair without authorization from BOYO®- Vision Tech America, Inc. and/or alteration/removal of the serial number).

For warranty information, visit: <https://www.visiontechamerica.com/get-warranty>

For technical support:

Call: (888) 941-3060

Email: info@visiontechamerica.com

Visit: www.VisionTechAmerica.com