



INSTALLATION MANUAL

ST-BT800P-W Infrared Dome Camera



PACKAGE CONTENTS

This package contains:

One ST-BT800P-W infrared dome color camera
Mounting Hardware
One installation manual

Note: The ST-BT800P-W requires a minimum 12VDC 300mA power supply such as the ST-PS12VDC1A or ST-PS12VDC2A.

PRODUCT DESCRIPTION

The ST-BT800P-W is an infrared color dome camera. The camera uses a 1/4" Color CMOS sensor providing 800TV lines of resolution. The ST-BT800P-W has a 3.6mm lens for optimal viewing. The 3-axis mount makes this camera very easy to install and position. The 24 infrared LEDs support low light illumination down to 0 Lux.

SPECIFICATIONS

ST-BT800P-W

Specifications (Typical)

1. Image Sensor	1/4" CMOS
2. Scanning System	NTSC
3. Horizontal Resolution	800TV Lines
4. Synchronization	Internal, Negative Sync
5. Minimum Illumination	0 lux B&W
6. Auto Electronic Shutter	1/60s~1/100,000s
7. Lens	3.6mm
8. S/N Ratio	>50dB
9. IR LED	24pcsΦ5 LED
10. IR Distance	80ft
11. IR Power On	CDS Auto Control
12. Video Output	1.0Vp-p @ 75Ω
13. Operating Temperature	14F° - 113°F
14. Power Requirements	300mA @ 12VDC
15. Dimensions	7.8"x3.5"x3"
16. Weight	10.5 oz

INSTALLATION AND OPERATION



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions.



This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electrical shock.

CAUTION: To reduce the risk of electrical shock do not remove the cover or back of this unit. No user serviceable parts are inside.

CAUTION: To prevent electric shocks and risk of fire hazards, do not use other than specified power source.

1. UNPACKING and HANDLING

Each unit is shipped assembled and factory tested.

Ensure that all accessories are removed from the container before discarding packing material

2. MECHANICAL INSPECTION

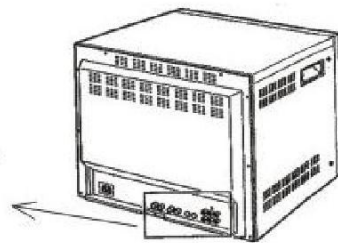
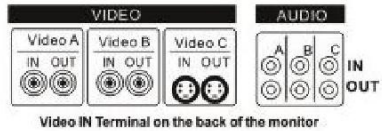
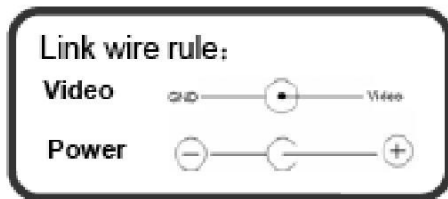
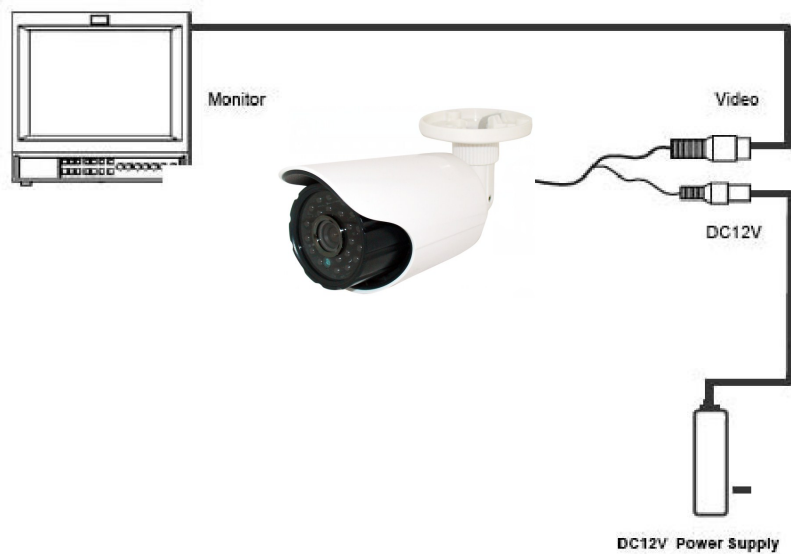
Inspect the front and rear of the equipment for shipping damage. Make sure the equipment is clean, and no connectors are broken, damaged, or loose. If equipment appears to be damaged or defective please contact your distributor or SecurityTronix at 1-610-429-1511 for assistance.

3. SPECIAL ATTENTION

- a. The installer must comply with electrical safety standards. There must be sufficient space between the camera's power supply and video line and any high voltage equipment and/or cables.
- b. To help ensure the camera's life and proper operation do not point the camera towards the sun or strong light.
- c. Do not install the camera in an environment where the temperature is above 113° F.
- d. Do not install the camera near a magnetic field or a high-power motor.
- e. Do not mount the camera near a radiator or heater.
- f. Only use a dry cloth to clean the camera. If there is dirt that is difficult to remove wipe gently with a mild detergent. Never use strong or abrasive detergents.
- g. This camera requires a 12VDC 300mA power supply. Using AC power or a power supply other than specified will damage the camera.
- h. Only qualified installers are allowed to install, test and disassemble the camera.
- i. The camera is a low voltage product.

4. WIRING CONNECTIONS

- Connect the power supply's DC plug to the camera's power port.
- Connect the camera to the monitor with a 75Ω coaxial video cable.
- Connect power supply's AC plug to a suitable AC power outlet.
- Adjust the lens direction according to the required surveillance area and environment.



5. TROUBLESHOOTING

- a. No picture after applying power – (i) check all plugs and cables are securely connected to the proper connectors; (ii) ensure your power supply is providing the correct voltage and current.
- b. The picture has ripples – (i) check to see if the power supply is experiencing AC ripple, if so a filter may be required; (ii) determine if the monitor is faulty; (iii) determine if other peripheral equipment is causing ripple and if so make the necessary adjustments.
- c. The picture background continuously changes color – a fluorescent lamp’s magnetic field may cause color roll, therefore, reduce the number of fluorescent lamps or increase the distance between the camera and the lamps.
- d. The picture appears smeared – (i) the power supply voltage level may be unstable, therefore, try another power supply; (ii) ensure the cables are correctly connected and/or the cables are of the correct impedance.
- e. Other interference may require a Securitytronix ground loop isolation filter.
- f. Additional troubleshooting assistance can be found on-line at www.securitytronix.com in addition to support from Securitytronix technicians at **1-800-688-9282**, option **3**, then option **2**.