

THE IMAGE OF QUALITY

INSTALLATION MANUAL

HD-COAXINATOR™

ST-HD-D3.6-2MP

IR Color HD-CVI Camera



PACKAGE CONTENTS

This package contains:

- One (1) ST-HD-D3.6-2MP infrared bullet color HD camera
- One (1) installation manual

Note: The ST-HD-D3.6-2MP requires a 12VDC 500mA power supply such as the ST-PS12VDC1A.

PRODUCT DESCRIPTION

The ST-HD-D3.6-2MP is a high-definition camera designed around a 1/2.8" Color 2.4 megapixel CMOS, 24 IR LEDs providing infrared capability up to 65 feet, and a 3.6mm lens. The ability to send HD video over coaxial cable makes the ST-HD-BT3.6-1MP a cost effective high-definition surveillance solution for any budget.

SPECIFICATIONS

ST-HD-D3.6-1MP

Specifications (Typical)

Specifications

Camera

Image Sensor	1/2.8" 2.4Megapixel CMOS
Effective Pixels	1984(H)×1225(V)
Electronic Shutter	1/3s~1/100,000s
Video Frame Rate	25/30/50/60fps@720P; 25/30fps@1080P
Synchronization	Internal
Min. Illumination	0.05Lux@F1.2(AGC ON), 0Lux IR on
Video Output	1-channel BNC HDCVI high definition video output/CVBS standard definition video output (switchable)

Camera Features

IR LED	24
IR Distance	Up to 65 Feet, Smart IR
Day/Night	Auto(ICR) / Color / B/W
Noise Reduction	2D/3D
OSD Menu	Supported

Lens

Focal length	3.6mm
Angle of View	H: 88°
Mount Type	M12

General

Power Supply	DC12V±10%
Power Consumption	Max 4.8W
Operating Temp	-22°F~+140°F /
Operating Humidity	95% Less than 95%RH (no condensation)
Transmission Distance	>1,000' via 75Ω coaxial cable
Ingress Protection	IP66
Dimensions	2.5" x 6.1"
Weight	0.85 lbs.
Housing	Metal

INSTALLATION AND OPERATION

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

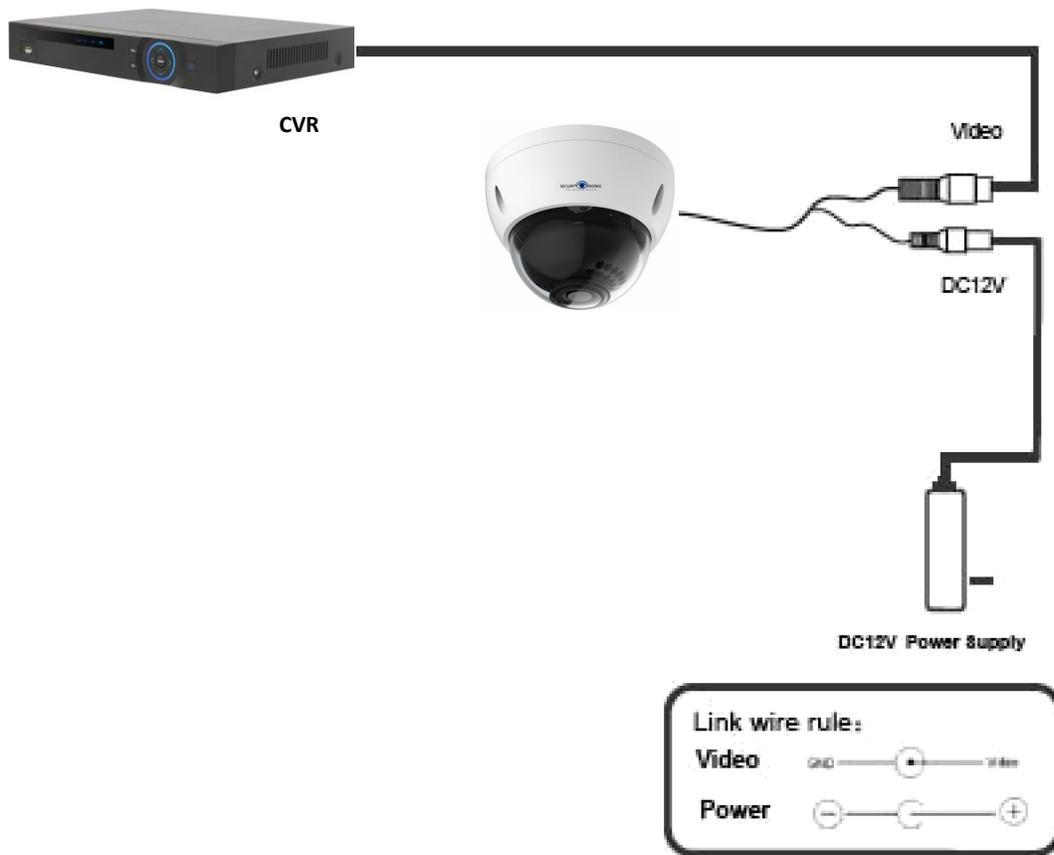
Inspect the front and rear of the equipment for shipping damage. Make sure the equipment is clean, and no connectors are broken, damaged, or loose. If equipment appears to be damaged or defective please contact your distributor or SecurityTronix at 1-610 429-1821 (option 3, then option 2) for assistance.

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. The camera should be installed in a cool and spacious environment.
- d. Do not install the camera near a magnetic field or a high-power motor.
- e. 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.
- f. A 12VDC 500mA power supply must be used. AC power cannot be applied. AC power will damage the camera and void warranty.
- g. Only qualified installers are allowed to install, test and disassemble the camera.
- h. The IR LED angle and lens viewing range are adjusted at the factory. Any change to the camera's lens will affect image quality.
- i. The camera is a low voltage product. If installed outdoors proper safety and lightening grounding are required.

4. WIRING CONNECTIONS

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



5. TROUBLESHOOTING

- 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.
- 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.
- 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.
- 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.
- Other interference may require a SecurityTronix ground loop isolation filter.
- Additional troubleshooting assistance can be found on-line at www.securitytronix.com in addition to support from SecurityTronix sales engineers at **1-610 429-1821**, option **3**, then option **2**.