

INSTRUCTIONS



6127 **Vandal-Proof IR Color Dome Camera**

● CHANNEL VISION™

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The **6127** is a vandal-proof color dome camera. Its extremely rugged construction makes it ideal for CCTV installations where the camera will be subjected to physical abuse and must work in total darkness. Typical applications include factories, warehouses, and other industrial buildings.

Features:

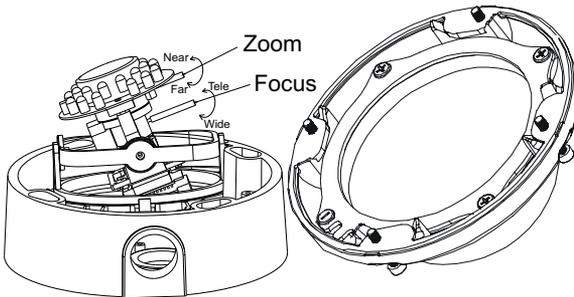
- High quality 1/3" Sony Hi-Res Super HAD CCD sensor
- 700 TV lines of resolution
- 24 piece LED IR illuminator with built-in light sensor
- View images 66 feet away in total darkness
- Automatic Gain Control (AGC) and Auto White Balance (AWB)
- Easy to install

Dome Camera

Dome Base & Camera

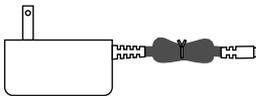
Dome Cover

Screws



Power Supply

Hex Wrench



Warnings:

- Do not look directly into the illuminator when in use.
- Do not touch the body of the unit when in use. It can reach temperatures as high as 150°F.
- Do not point the illuminator directly at paper or flammable materials.
- Avoid touching the lens with fingers. Clean off any fingerprints with cleaning alcohol and cotton swabs.

Installation:

- Using the included hex wrench, loosen the 4 screws securing the dome cover to the base.
- Drill a hole in the wall or ceiling for wiring (see diagram).
- If necessary, attach the camera's video output to a coax extension that is long enough to reach your monitor or video distribution equipment.
- If necessary, cut the connector off of the end of the power supply and splice in an extension using crimp-on connectors.
- Mount the base with the provided screws.
- Move the camera body to adjust the view and make electronic adjustments using the dip switches.
- Reattach the dome cover by tightening the four screws with the provided wrench.

Model 6127

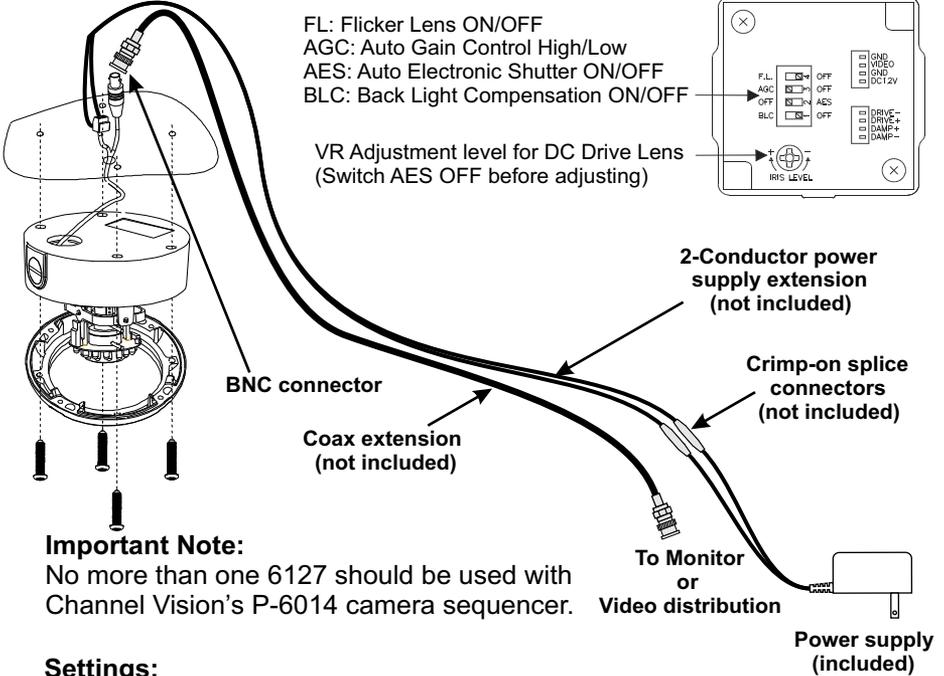
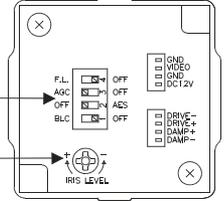
1. Connect wiring
2. Mount base

3. Adjust camera settings
4. Attach dome

Camera Adjustments

FL: Flicker Lens ON/OFF
AGC: Auto Gain Control High/Low
AES: Auto Electronic Shutter ON/OFF
BLC: Back Light Compensation ON/OFF

VR Adjustment level for DC Drive Lens
(Switch AES OFF before adjusting)



Important Note:

No more than one 6127 should be used with Channel Vision's P-6014 camera sequencer.

Settings:

Flicker Lens:

This can help compensate for a flickering effect that may be seen on the video output of the camera in some cases. By default, this is set to off. This should be set to off.

Automatic Gain Control:

The 6127 contains a circuit designed for automatically controlling amplifier gain in order to maintain a constant output voltage with a varying input voltage within a predetermined range of input-to-output variation. AGC is generally best utilized in an indoor room that has a lower light level than the other rooms in the building. AGC should be set to off first. However, turn it on, after the iris is adjusted.

Auto Electronic Shutter:

This changes the 6127's ability to compensate for moderate light changes, generally used in indoor applications without the use of auto iris lenses. This should be set to off.

Back Light Compensation:

This automatically adjusts picture brightness depending on lighting conditions. This helps overcome strong backlighting which normally results in silhouettes or shadows. In some cases, this can improve night viewing. BLC can help correct the exposure of subjects that are in front of a bright light source. This should be set to off, pending adjustment of the iris level, which should be done first then turn it ON after.

Iris Level:

The more the iris is open, the more light is allowed in. This will help for night viewing. This should be adjusted at night for best results.

***Specifications:**

Image Sensor:	Sony 1/3" Hi-Res Super HAD
Picture Elements:	NTSC: 768x494
Resolution:	700 lines
S/N Ratio:	More than 48 dB
Min Illumination:	0.02 LUX @ F1.2(Day), 0 LUX @ F2.0(Night)
Electronic Shutter:	1/60s - 1/100,000s, ON/OFF switchable
Iris Control:	Built-in DC Drive Iris Control
Flickerless Mode:	1/60s ON/OFF switchable
Gain Control:	High/Low switchable
Auto White Balance:	Color Temperature: 2500K-9500K
Back Light Comp.:	ON/OFF switchable
Gamma Characteristic:	0.45
Camera Lens:	Vari-Focal with DC Drive Iris Lens
Focal Length & App. Ratio:	3.7mm-12mm, F1.6-3.0 (IR-Cut filter Removable)
Angle Field of View:	Wide: 71.6°x55.8°, Tele: 23.8°x17.9°
Sync. System:	Internal, Negative sync.
Power Requirements:	12VDC
Power Consumption:	155mA (IR off), 460mA (IR on - max)
Infrared Illumination:	24 IR LEDs
LED Wavelength:	850nm
Illumination Distance:	66 feet (20 meters)
Video Output:	1 Vp-p @ 75 ohms
Dimensions:	Dia. 5.71", Height 4.26"
Operating Temp:	-10°C to 50°C (14°F to 122°F)

*Specifications subject to change without notice.

CHANNEL VISION Limited Warranty

Channel Vision Technology will repair or replace any defect in material or workmanship which occurs during normal use of this product with new or rebuilt parts, free of charge in the USA, for one year from the date of original purchase. This is a no hassle warranty with no mail in warranty card needed. This warranty does not cover damages in shipment, failures caused by other products not supplied by Channel Vision Technology, or failures due to accident, misuse, abuse, or alteration of the equipment. This warranty is extended only to the original purchaser, and a purchase receipt, invoice, or other proof of original purchase date will be required before warranty repairs are provided. Channel Vision products are not intended for use in medical, lifesaving, life sustaining or critical environment applications. Channel Vision customers using or selling Channel Vision products for use in such applications do so at their own risk and agree to fully indemnify Channel Vision for any damages resulting from such improper use or sale.

Mail in service can be obtained during the warranty period by calling (800) 840-0288 toll free. A Return Authorization number must be obtained in advance and can be marked on the outside of the shipping carton.

This warranty gives you specific legal rights and you may have other rights (which vary from state to state). If a problem with this product develops during or after the warranty period, please contact Channel Vision Technology, your dealer or any factory-authorized service center.