

## Specifications

Model	VLEDT1HG/W
Pick-up Device	1/3" 960H CCD
Effective Pixels (H×V)	NTSC:976×494
Sensing Area	4.9mm×3.7mm
Horizontal Resolution	700 TV Lines
Minimum Illumination	0.01 Lux, 0 Lux at IR on
S/N Ratio	More than 52dB
Scanning System	2:1 Interlace
Synchronous System	Internal
Electronic Shutter	1/50s(1/60s)~1/100,000s
IR Distance	98'
IR Leds	36 Φ5 infrared LED
IR status	IR on: under 10Lux, by CDS auto control
Gama Characteristic	0.45
Auto Gain Control	Auto
White Balance	Auto
Video Output	1.0Vp-p composite video, 75Ω
Lens	2.8-12mm Mega pixel Lens
Power/Current	12VDC/ IR on: 400mA, IR off: 80mA
Operating Temperature	14F~122F
Storage Temperature	-4F~140F



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## VLEDT1HG/W Series Color Camera

### 3.5" External Adjustable Vandal-proof Eyeball Camera



**Note:** Before applying power to the camera, please read this UserGuide in detail.



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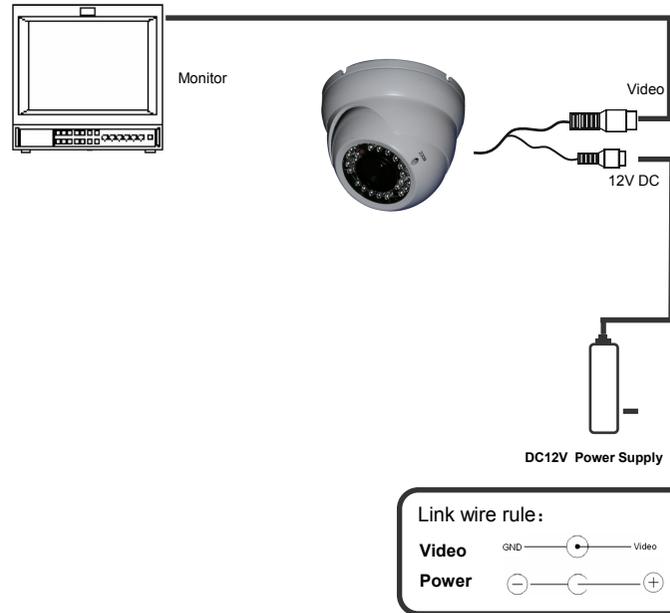
## ■ PRODUCT FEATURES

- \* **Sensor (CCD)**  
1/3" 960H CCD
- \* **Auto Gain Control (AGC)**  
Built-in auto gain control (AGC) circuit. The color camera can get a high definition picture in low Lux condition.
- \* **Auto Electronic Shutter (AES)**  
Built-in auto electronic shutter function. The AES speed can reach 1/100,000s.
- \* **Gamma Characteristic**  
Camera Gama characteristic is 0.45.
- \* **Night-time Vision**  
0 Lux with IR LED ON.

### Power Supply Notes:

- The power supply must be regulated 12V supply.
- The operating temperature must be within camera's specifications.
- For better image quality, the cable length for power and video output should not be excessively long.

## ■ CONNECTING



## ■ TROUBLESHOOTING

- 1. No picture after providing power**
  - . Check the power supply voltage, it may be outside specification.
  - . Please check the connecting cables and monitors to determine if the camera is connected correctly or not.
- 2. The picture has flowing interference ripples**
  - . Check the ground of the monitor and other peripheral equipment that are being used is the same ground as the camera.
- 3. The background color continuously changes**
  - . A fluorescent bulb's electromagnetic field can cause a color roll. This is a proper phenomenon of the camera.
  - . To improve the image, try to increase the distance between the camera and the bulb, or change the angle such that it doesn't face the fluorescent bulb.

## ■ INTRODUCTION

Congratulations on your purchase of this Speco product. This camera utilized the latest in sensors and drivers. The most appealing characteristics of this camera are day & night feature, and indoor & outdoor applications. This product is a great addition to your CCTV system.

Please read this manual carefully to ensure proper use of the product.



The symbol is intended to alert the user to the presence of important operating and maintenance (servicing) Instructions in the literature accompanying the appliance.



The 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 electric shock to persons.

	<b>CAUTION:</b> DO NOT OPEN	
<b>SHOCK</b> CAUTION: TO REDUCE THE RISK OF ELECTRIC DO NOT REMOVE COVER. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING		
<b>CAUTION:</b> To prevent electric shock and risk of fire hazards, do NOT use anything other than the specified power source.		

### Installation Precautions:

- Do not install the camera to extreme temperature conditions. Only use the camera under conditions where temperature is between 14f and 122f.
- Never keep the camera pointed directly at the sun or a bright object.
- Do not mount the camera near a radiator or heater.