

Instruction Manual

550TVL Day-Night All in One Color Camera



VL12

INTRODUCTION

The 550TVL day-night all in one color camera has been developed using advanced technology. This series of cameras is suitable for surveillance application or as an input device for an image processing system.

PRECAUTIONS

1. Do not attempt to disassemble the camera.
2. To prevent electric shock, do not remove screws or cover. There are no user-serviceable parts inside.
3. Handle the camera with care.
Do not abuse the camera. Avoid striking or shaking it. The camera could be damaged by improper handling or storage.
4. Never face the camera toward the sun.
5. Use caution when operating the camera in the vicinity of bright lights or light reflecting objects.
6. Do not operate the camera beyond its temperature, humidity or power source ratings.
7. Do not use the camera in an extreme environment where high temperature or high humidity exists.
8. Do not touch the sensor directly with your fingers. If necessary, use soft cloth moistened with alcohol to wipe off the dust.
9. When the camera is not in use, keep the lens cap on to protect the sensor.

SAFETY ADVICE

1. Do not touch the chip with your fingers.
2. Use the camera only with the specified voltage.
3. Use a monitor with 75 ohm impedance.
4. Never open the camera. This will void the warranty.

Features

- IT Chip; 550 TV Lines
- 768x492 Pixels
- Auto Gain Control; Auto Electronic Shutter
- Auto Backlight Compensation
- Plug & Play Installation
- 24 Units IR LED Built In
- Max 65 Feet Illumination Distance
- With Split Glass Technology & Tempered Glass
- 4.3mm Fixed Lens Built in
- Video Cable with BNC Connector
- Much Lower Power Consumption
- IP66 Rated Waterproof Vandal Proof

SPECIFICATIONS

Model No.	VL12
Image Pick-up Device	IT Chip
Effective Picture Elements	768*492
Synchronization	Internal
Horizontal Resolution	550 TV Lines
S/N Ratio	50 dB
Minimum Illumination	0 Lux (IR ON)
Auto Electronic Shutter	Auto. 1/50 (60) ~ 1/100,000 Sec.
Gamma Characteristic	0.45
Gain Control	Automatic Gain Control
White Balance	Automatic White Balance (2500K~9500K)
Backlight Compensation	Automatic Backlight Compensation
Lens Furnished	4.3mm Fixed Lens Built in
Infrared Luminary	24 Units of 850nm IR LED
IR Project Distance	65 Feet
Video Output	1 Vp-p / 75 Ohms. BNC Connector.
Power Supply	DC 12V ± 10 %
Power Consumption	Max. 90mA (IR Off); Max. 240mA (IR On)
Operating Temp.	+4°F to 140° F
Protection Ratings	IP66

Specifications are subject to change without prior notice.



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