



## VTC-IR600/4215 VTC-IR1600/550 Long Distance Infrared Bullet Cameras



- 1/3" Color dual programmed CCD tuned for optimal performance in day or night conditions
- 480 TV Lines Resolution
- 60 Infrared LEDs at 850nm enable viewing in Total Darkness up to 150 Feet (VTC-IR600) / 160 Infrared LEDs at 850nm enable viewing in Total Darkness up to 350 Feet (VTC-IR1600)
- Three individually isolated compartments for: Camera, IR LEDs, and Power Module.
- Vari-Focal DC Auto Iris IR Lens 4.2~15.5mm F1.4 (VTC-IR600) / Vari-Focal DC Auto Iris IR Lens 5.0~50mm F1.4 (VTC-IR1600)
- Heavy Duty Weather/Vandal Resistant Aluminum Construction is 100% water and dust proof
- Heavy Duty Aluminum Feed-Through Wall Mount Included
- External focus and zoom controls for ease of installation and adjustment
- 150mA Power consumption (IR-Off) & 900mA (VTC-IR600 - IR On), 1800mA (VTC-IR1600 - IR On)
- IR picture quality is dramatically improved by separating the Camera and IR LED compartments, preventing stray IR light from entering the lens.
- 80,000 Hour LED life expectancy
- Dual Voltage: 12VDC / 24VAC
- Dimensions: 6.875" L x 3.5" OD (VTC-IR600 Camera) / 9" L x 5" OD (VTC-IR1600 Camera) / 8.0" (Mount)

# VITEK

The VTC-IR600/4215 and VTC-IR1600/550 are long range Infrared cameras that are robustly built with a revolutionary design. These cameras are ideal for use in commercial or residential applications that require a bright same-as-day quality visibility during the night time.

Both cameras come with 12VDC or 24VAC power input for easy integration with standard CCTV power systems. Feed-through mounting minimizes vandalism potential as well as make them look aesthetically pleasing.

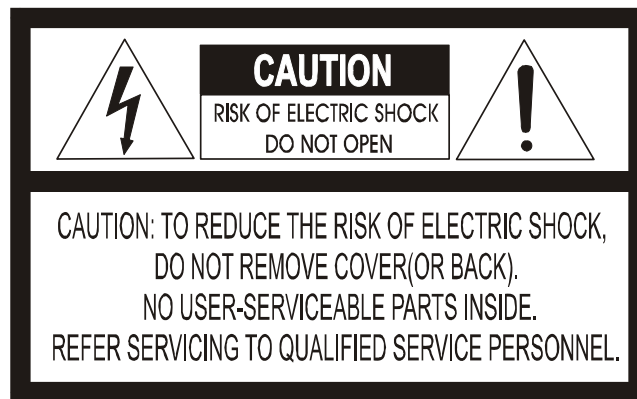
They feature Sony SuperHAD technology with a high resolution of 480 horizontal TV lines.

## RISK OF ELECTRICK SHOCK WARNING

### WARNING

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE. DO NOT INSERT ANY METALLIC OBJECTS THROUGH THE VENTILATION GRILLS OR OTHER OPENINGS ON THE EQUIPMENT.

### CAUTION



## EXPLANATION OF GRAPHICAL SYMBOLS



The lightning flash with arrowhead symbol, within an equilateral triangle, 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.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instruction in the literature accompanying the product.

## Content Verification

Prior to the installation of the cameras, please verify that the packaging contains the following contents:

1. One Camera
2. One Instruction manual

If any of the contents are missing, please contact the Vitek Customer Help Desk immediately.

## Installation Overview

Your camera is designed to be wall mounted. The camera is weather sealed for indoor or outdoor locations.

## Wiring Connections

The camera should be powered by the following power supplies:

- VTC-IR600/4215: 12VDC 2Amps or 24VAC 20VA, CSA Certified Class 2 Power Supply .
- VTC-IR1600/550: 12VDC 3 Amps or 24VAC 40VA, CSA Certified Class 2 Power Supply.

For optimum video signal, use 95% copper shielded coax cable. Twisted pair or Category 5e cable may also be used with optional VT-TR1M Passive Video Transceivers. Maximum cable distance for 95% copper braid coax is approximately 800 feet. For Category 5e or twisted pair, 2000 feet using VT-TR1M transceivers.

## FEATURE HIGHLIGHTS

### REVOLUTIONARY AND UNIQUE DESIGN

These cameras are designed with three separate compartments for the camera module/lens, power module and infrared LEDs.

- Many infrared cameras encounter compromised video images due to the reflection of the LEDs into the lens, both viewing through a common surface (polycarbonate/glass). A separate lens compartment eliminates this reflection and glare, optimizing video performance.
- The power module and IR LEDs generate intense heat when in full operation. These separate compartments provide more efficient heat dissipation rather than trapping the heat inside of the camera increasing the longevity of the product.
- Most infrared cameras suffer from focus shift (going out of focus) at night. The cameras encompass a patented Dual Program CCD eliminating focus shift when switching to night viewing.

## ADJUSTING THE FIELD OF VIEW



- ① ZOOM: The front ring adjusts the zoom ratio.
- ② FOCUS: The rear ring adjusts the focus.

## SPECIFICATIONS

## VTC-IR600/4215

Image Sensor	1/3" (Interline transfer type color CCD (SONY))
Effective Pixels	768H x 494V (380K pixels)
Scanning System	525 Lines 2 : 1 Interlace
Scanning Frequency	15.734KHz (H), 59.94Hz (V)
Resolution	480 TV - Lines
Shutter Speed	1/60 ~ 1/100,000 sec.
S/N Ratio	More than 48dB (AGC Off)
Sync. System	Internal
Min. Illumination	0.5Lux (F1.3)/0.00Lux(IR LED ON)
White Balance	AWC
Video Output	VBS 1.0 Vp-p (75ohm load)
Lens	Vari-Focal DC Auto Iris IR Lens 4.2~15.5mm F1.4
Power Supply	DC12V±10% / AC 24V±10%
Power Consumption	IR LED On/1,300mA, IR LED Off/150mA
Operating Temp.	- 10°C ~ + 50°C
Operating Humidity	90% RH max.
No. of I.R. LEDs	60 Pieces Infrared LED
Wave Length	850NM
Angles of I.R. LEDs	Combination of 10° and 30°
Viewing Distance	Max 150 Feet

## VTC-IR1600/550

Image Sensor	1/3" (Interline transfer type color CCD (SONY))
Effective Pixels	768H x 494V (380K pixels)
Scanning System	525 Lines 2 : 1 Interlace
Scanning Frequency	15.734KHz (H), 59.94Hz (V)
Resolution	480 TV - Lines
Shutter Speed	1/60 ~ 1/100,000 sec.
S/N Ratio	More than 48dB (AGC Off)
Sync. System	Internal
Min. Illumination	0.5Lux (F1.3)/0.00Lux(IR LED ON)
White Balance	AWC
Video Output	VBS 1.0 Vp-p (75ohm load)
Lens	Vari-Focal DC Auto Iris IR Lens 5 ~ 50mm F1.4
Power Supply	DC12V±10% / AC 24V±10%
Power Consumption	IR LED On/1,800mA, IR LED Off/150mA
Operating Temp.	- 10 °C ~ + 50 °C
Operating Humidity	90% RH max.
No. of I.R. LEDs	160 Pieces Infrared LED
Wave Length	850NM
Angles of I.R. LEDs	Combination of 10° and 30°
Viewing Distance	Max 350 Feet



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