

## LIMITED LIABILITY WARRANTY

Your new Camera is guaranteed to be free from defects in materials and workmanship for a period of two years from the date of purchase.

The product must have been used only for its intended purpose, and not been subjected to damage by misuse, willful or accidental damage, caused by excessive voltage or lightning.

The product must not have been tampered with in any way then the guarantee will be considered null and void.

This guarantee does not affect your statutory rights.

Contact VITEK directly for all servicing.



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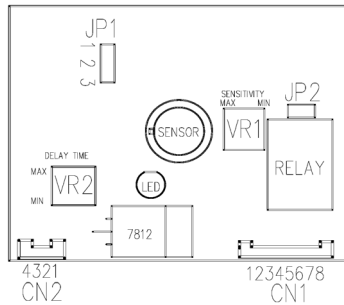


## VTC-PIR2 B/W & Color PIR Cameras Product Manual



The VT-PIR2 is a motion activated or continuous imaging camera that incorporates a CCD camera with a PIR motion sensor. It can be used as an accessory to an alarm system or as a stand-alone monitoring device. Vitek PIR cameras are an excellent choice for use in covert or hidden camera applications.

## PIR BOARD LAYOUT



- 1. LED:** When an intrusion is detected, the LED will activate.
- 2. JP1:** Pulse count setting.
  - 1-2 short:** Relay will activate when an intrusion is detected once. (For stable environments or high risk operating environments)
  - 2-3 short:** Relay will activate when an intrusion is detected twice within 15 seconds. (For harsh environments)
- 3. JP2:** Relay output select.
  - Short:** For outer control used in area where DC12V is requested (Limited at 200mA).
    - Normal:** N.C. = DC12V out
    - Activate:** N.O. = DC12V out
  - Open:** Normal relay connector (1.5A at DC24V/1.5A at AC120V/1A at AC240V)
    - Normal:** C & N.C. short / C & N.O. open.
    - Activate:** C & N.C. open / C & N.O. short.

**Caution! Risk of electric shock. Set-up and operation should be performed by authorized service person only.**

- 4. VR1:** Sensitivity adjustment.  
Turn clockwise for high sensitivity, turn counter-clockwise for low.
- 5. VR2:** Relay activation time adjustment (range about 2 ~ 30 seconds).  
Turn clockwise for short time, turn counter-clockwise for long.
- 6. NC/C/NO Wiring:**  
**C:** BLACK    **NO:** WHITE    **NC:** RED

### CN1 Connector:

1. DC 12V IN
2. GND
3. AUDIO OUT (option)
4. GND
5. VIDEO OUT
6. RELAY C. (common)
7. RELAY N.O. (normal open)
8. RELAY N.C. (normal close)

### CN2 Connector:

1. AUDIO IN (Not Available In US)
2. VIDEO IN (from CCD MODULE)
3. GND
4. DC 12V/500mA OUT (for CCD MODULE)

## SPECIFICATIONS

	VTC-PIRB2	VTC-PIRC2
Image Device	1/3" B/W CCD	1/3" Color CCD
Effective Pixels	510 x 492	537 x 505
Resolution	420 TV Lines	380 TV Lines
Minimum Illumination	0.3 Lux / F1.2	1.0 Lux / F1.2
PIR Detection Range	100° / 35' x 35' Coverage Area	
PIR Alarm Output	NC/N/NO	
AGC	>18db	
S/N Ratio	More Than 48dB	
Video Output	Composite: 1.0 Vp-p / 75 Ohm	
Auto Electronic Shutter	1/60 to 1/100,000 sec.	
Standard Pinhole Lens	3.8mm / F2.0	
Power Source	12VDC (200mA Regulated)	12VDC (300mA Regulated)
Power Consumption	1.2W	
Operation Temperature	14°F ~ 140°F (-10°C ~ 60°C)	
Humidity	0-95%	
Dimensions (WxHxD)	2.75" x 4.72" x 1.69" / 70mm x 120mm x 43mm	

**Use a professional CCTV monitor only to achieve best resolution and performance.**

**Camera may also be connected to other devices such as a VCR or Digital Recorder.**

**Use copper braid RG59U coax for best video performance.**

**Video may also be transmitted via CAT5E cable with the use of video baluns model VT-TR1M.**

**\*\*12VDC Regulated power adapter 12V must be used otherwise the device will be damaged and un-repairable.**