



**VTD-THD2RFE
VTC-THT2RFE
VTC-THB2RFE**

**2.1 Megapixel Indoor/Outdoor HD-TVI/
AHD/CVI/CVBS IR Cameras**



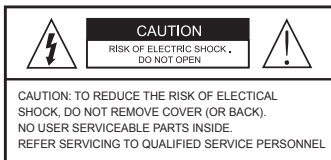
FEATURES

- 1/2.9" 2.1 Megapixel Progressive Scan CMOS Sensor
- HD-TVI, AHD, CVI, and CVBS Video Output
- 3.6mm & 2.8mm Fixed Lens Options
- Up to 70' IR Range
- Digital Wide Dynamic Range (D-WDR)
- True Mechanical Day/Night function by ICR
- 3D-DNR Noise Reduction
- IP66 Weather Resistance
- Supports Up The COAX Control
- Over 1500' HD Video Transmission (Depending on cable characteristics and integrity)
- Optional Junction Box Mounts Available
- 12VDC Operation



Safety Precaution

- To prevent electrical shock and risk of fire hazards, do not expose this unit to rain or moisture and only use specified power source..



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 electrical shock.



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

Warning :

- This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at their own expense.

Caution :

- Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
Main power quality should be that of a typical commercial environment. If the user of the model requires continued operation during power interruptions, it is recommended that the device be powered from an uninterruptible power supply (UPS).

Limited Product Warranty

VITEK products carry a three (3) year limited warranty. VITEK warrants to the purchaser that products manufactured by VITEK are free of any rightful claim of infringement or the like, and when used in the manner intended, will be free of defects in materials and workmanship for a period of three (3) years, or as otherwise stated above, from the date of purchase by the end user. This warranty is nontransferable and extends only to the original buyer or end user customer of a VITEK Authorized Reseller.

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 or the guarantee will be considered null and void.

This guarantee does not affect your statutory rights.

Contact your local VITEK Reseller should servicing become necessary.

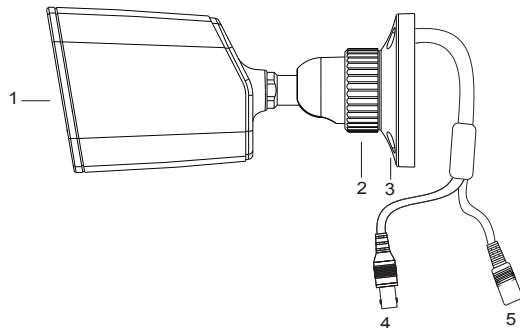
VITEK makes no warranty or guarantee whatsoever with respect to products sold or purchased through unauthorized sales channels. Warranty support is available only if product is purchased through a VITEK Authorized Reseller.

VTC-THB2RFE Components

Camera		Screws	
Manual		Drill Template	

Overview

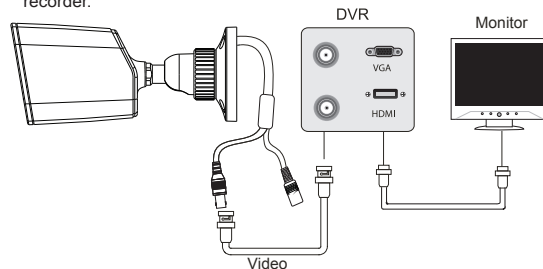
This camera series supports both fixed and varifocal lenses. Please note that the zoom and focus features mentioned below are only available on the varifocal lens version.



1	Lens	4	BNC Output
2	Mount Lock	5	Power Cable
3	Mount Base		

Video Connection

Connect the BNC video connector to a BNC cable, then to a recorder.

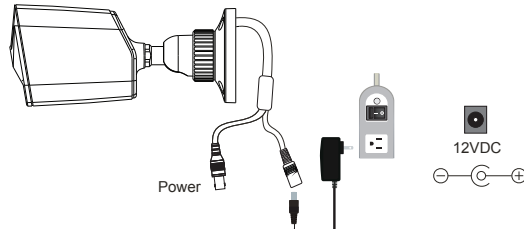


****NOTE:**

This camera must be connected to a DVR that supports calling up the camera's OSD menu via CoC.

Power Connection

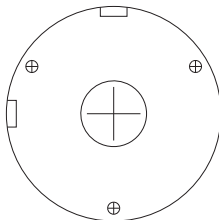
Connect the power connector to a regulated 12 VDC power adaptor.



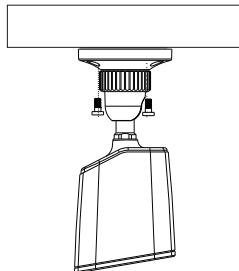
Installation

Before you begin, please make sure that the wall or ceiling is strong enough to withstand 3 times the weight of the camera. The mounting steps are as follows:

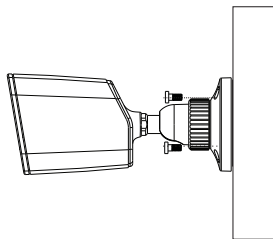
1. Attach the drill template to the place where you want to install the camera, then drill 3 screw holes and 1 cable hole (if you want to route the cables through the mounting base) according to the drill template



2. Route the cables and connect the power & video cables, then secure the mounting base to the ceiling or wall with screws.

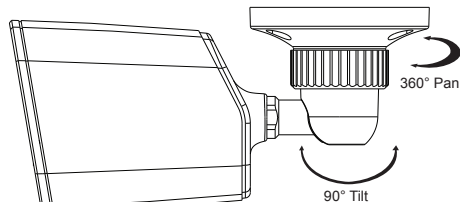


Ceiling Mounted

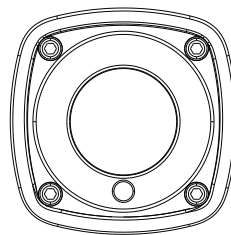


Wall Mounted

3. Loosen the mount lock to adjust the Pan and Tilt of the camera, then tighten the mount lock to secure the viewing angle adjustments.



4. Carefully remove the protective film from the lens to complete the installation.

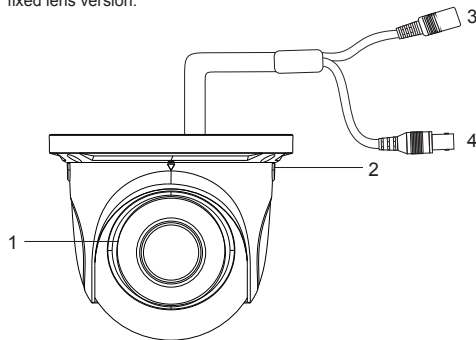


VTC-THT2RFE Components

Camera		Hex Wrench	
Manual		Mounting Plate	
Screws		Rubber Plug	

Overview

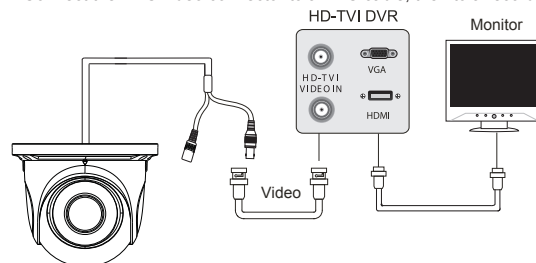
This camera series supports both fixed and varifocal lenses. Please note that the zoom and focus features mentioned below are not features of the fixed lens version.



1	Lens	3	Power Cable
2	Lock Screws	4	BNC Output

Video Connection

Connect the BNC video connector to a BNC cable, then to a recorder.

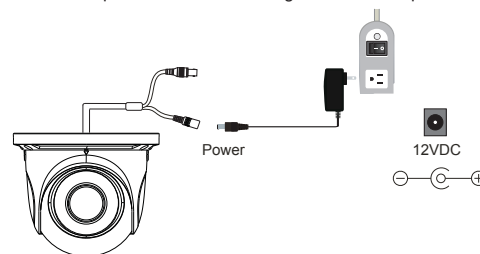


**NOTE:

This camera must be connected to a DVR that supports calling up the camera's OSD menu via CoC.

Power Connection

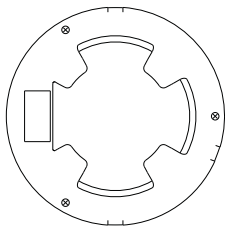
Connect the power connector to a regulated 12 VDC power adaptor.



Installation

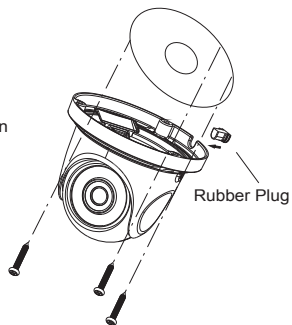
Before you begin, please make sure that the wall or ceiling is strong enough to withstand 3 times the weight of the camera. The mounting steps are as follows:

1. Attach the drill template to the place where you want to install the camera, then drill 3 screw holes and 1 cable hole (if you want to route the cables through the mounting base) according to the drill template

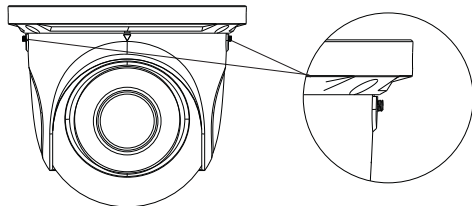


2. Route the cables and connect the power & video cables, then secure the mounting base to the ceiling or wall with screws.

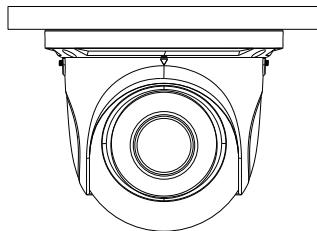
3. Loosen the lock screws, then adjust the camera to obtain the optimum viewing angle. Confirm the correct viewing angle with a monitor. Next insert then insert the rubber plug.



4. Tighten the lock screws to secure the viewing angle adjustments.



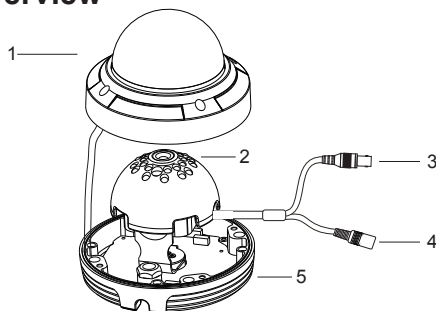
5. Carefully remove the protective film from the lens to complete the installation.



VTD-THD2RFE Components

Camera		Screws	
Manual		Hex Wrench	
Drill Template			

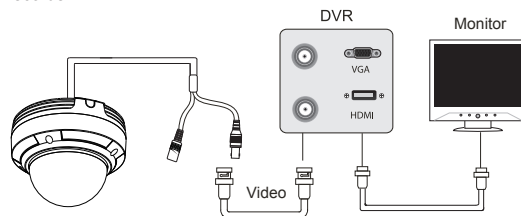
Overview



1	Dome Cover	4	Power Cable
2	Lens	5	Mounting Base
3	BNC Output		

Video Connection

Connect the BNC video connector to a BNC cable, then to a recorder.

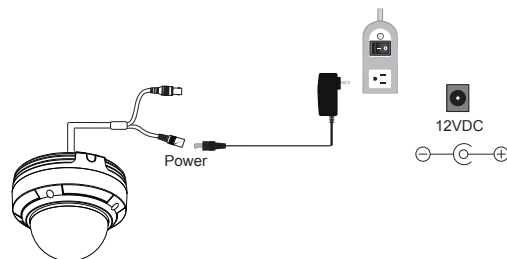


****NOTE:**

This camera must be connected to a DVR that supports calling up the camera's OSD menu via CoC.

Power Connection

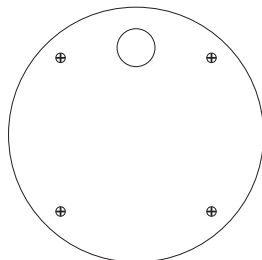
Connect the power connector to a regulated 12 VDC power adaptor.



Installation

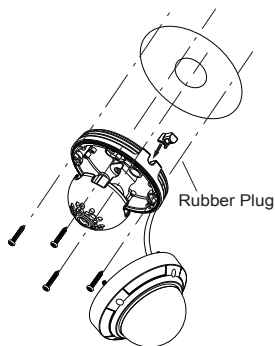
Before you begin, please make sure that the wall or ceiling is strong enough to withstand 3 times the weight of the camera. The mounting steps are as follows:

1. Attach the drill template to the place where you want to install the camera, then drill 4 screw holes and 1 cable hole (if you want to route the cables through the mounting base) according to the drill template

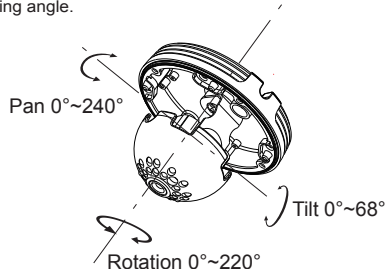


2. Route the cables and connect the power & video cables, then secure the mounting base to the ceiling or wall with screws.

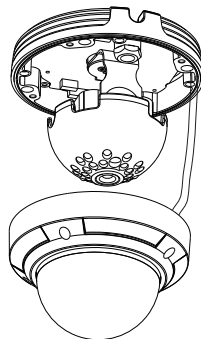
3. Route the cables and connect the power & video cables, then secure the mounting base to the ceiling or wall with screws. Next insert then insert the rubber plug.



4. Adjust the Three-axis camer bracket to obtain the optimum viewing angle.



5. Install the dome bubble on the camera with the screws, then carefully remove the protective film to complete the installation.



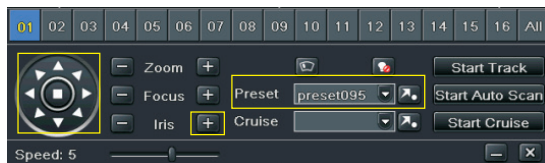
Camera OSD Menu

The Transcendent 4-in1 camera series must be connected to a DVR which supports HD-TVI/AHD video signal input and COC protocol to access the OSD setup menu. Different DVRs manufacturers may have different modes of menu operation.

The following menu toolbar will pop up by right-clicking the mouse when using VITEK Transcendent Series HD DVRs.



You will see the following interface by clicking the  button.



Click "Iris +" to go to the main menu. You can also select preset NO. 95, then click the  button (call preset NO.95) to go to the following main menu.

MAIN MENU

	1. LENS	MANUAL
>	2. EXPOSURE	↵
	3. BACKLIGHT	OFF
	4. WHITE BAL	AWB
	5. DAY&NIGHT	EXT ↵
	6. NR	↵
	7. SPECIAL	↵
	8. ADJUST	↵
	9. EXIT	SAVE&END ↵

You can select the menu by clicking  (U) or  (D) key on the direction area. Click  (L) or  (R) key to select the menu on the left. The menu with arrow icon which means it has sub-menu. You can select the menu and click "Iris +" or call preset NO.95 to enter the sub-menu. To return to the previous menu or exit the main menu, please select "RET" or "Save & END" by clicking U or D key and then click "Iris +" or call preset NO.95.

Detailed Specifications	VTC-THB2RFE	VTC-THT2RFE	VTD-THD2RFE
Image Sensor	1/2.9" 2.1 Megapixel Progressive Scan CMOS Sensor		
Signal System	PAL/NTSC		
Effective Pixels	1920(H) x 1080(V)		
Resolution	HD-TVI / HD-CVI / AHD: 1080p/720p (2.1 MegaPixel) / CVBS: 960H		
Video Output	HD-TVI / HD-CVI / AHD & CVBS (Selectable)		
Lens	3.6 mm (2.8mm Also Available)		
Day/Night	True Day/Night by ICR		
Min. Illumination	0 Lux (LED ON)		
IR LEDs	24	30	24
IR Distance	65'	70'	65'
S/N Ratio	≥52dB (AGC Off)		
WDR	Digital WDR		
Digital Noise Reduction (DNR)	YES		
White Balance	Auto (AWB)		
BLC	YES		
Up the COAX Control (COC)	YES		
Transmission Distance	Up to 1500' (Depending on cable characteristics & integrity)		
Power Input	12VDC		
Power Consumption (12VDC)	Day : < 1W; Night : < 3W	Day : < 1W; Night : < 4W	Day : < 1W; Night : < 3W
Weather Resistance	IP66		
Operation Conditions	-4 ~ 122 / 10% ~ 90% Humidity		
Weight	10.93 oz. / 0.68 lbs. / 310g	13.05 oz. / 0.82 lbs. / 370g	21.34 oz. / 1.33 lbs. / 605g
Dimensions	2.76" x 6.14" (70 x 156mm) Dia x L	3.43" x 4.25" (87 x 108mm) Dia x H	4.57" x 3.58" (116mm x 91mm) Dia x H



VARIFOCAL TRANSCENDENT CAMERAS



VTC-TTAB36R2V

Transcendent Series 2.1 Megapixel
Outdoor HD-TVI/AHD/CVBS Camera
with 36 IR LED Illumination



VTC-TTAT2HR2V

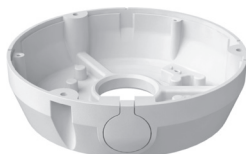
Transcendent Series 2.1 Megapixel
Outdoor HD-TVI/AHD/CVBS Turret
Camera with 2 High Power IR LED
Illumination



VTD-TTAD30R2V

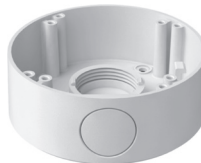
Transcendent Series 2.1 Megapixel
Outdoor HD-TVI / AHD / CVBS
Vandal Dome Camera with 30 IR LED
Illumination

OPTIONAL MOUNTS FOR FIXED TRANSCENDENT CAMERAS



VT-TJB01

Optional Junction Box for Cable
Management for use with all
Transcendent Bullet and Turret Style
Cameras



VT-TJB03

Junction Box for Cable Management
for use with Transcendent 24 IR LED
Fixed Lens Vandal Domes



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