



VTC-THB2RFE-2 VTC-THT2RFE-2 VTD-THD2RFE-2

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

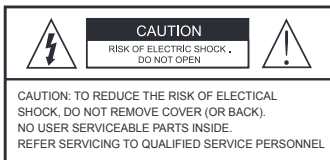
FEATURES

- 1/2.9" 2.1 MegaPixel Progressive Scan CMOS Image Sensor
- High Definition Analog (HDA) / HD-TVI / AHD / HD-CVI / CVBS
- 2.8mm Fixed Iris Lens
- Supports OSD Menu
- 1 Matrix IR with up to 100' IR Range (VTC-THB2RFE-2, VTC-THT2RFE-2)
- 16 IR LEDs with up to 65' Range (VTD-THD2RFE-2)
- True Mechanical Day/Night function by ICR
- Digital Wide Dynamic Range (D-WDR)
- XD-DNR Noise Reduction
- Supports Up The COAX Control (CoC)
- IP67 Weather Resistance (+IK10 on VTD-THD2RFE-2)
- Over 1500' HD Video Transmission (Depending on cable characteristics and integrity)
- VTC-THB2RFE-2: Optional J Boxes VT-TJB07, TJB08
- VTC-THT2RFE-2: Optional J Boxes VT-TJB01, TJB08, Wall Mount VT-TWMT-3
- VTD-THD2RFE-2: Optional J Box VT-TJB03A, Wall Mount VT-TWMT-3, In-ceiling Semi Flush Mount VT-TFMT-S
- 12VDC Operation
- 3-year Warranty



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.

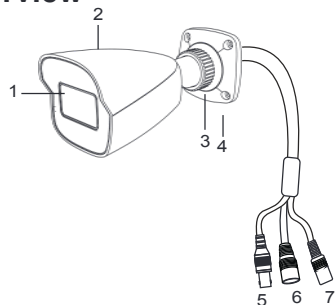
Caution :

- 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).

VTC-THB2RFE-2 Components

Camera		Screws	
User Manual		Drill Template	

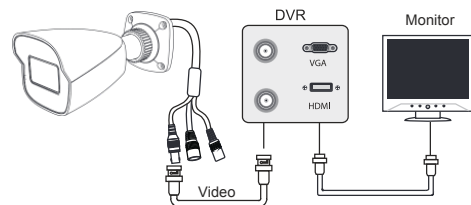
Overview



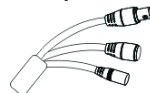
1	Lens	6	Output Mode Switch
2	Sun Shield	7	Power Cable
3	Mount Lock		
4	Mount Base		
5	BNC Video Output		

Video Connection

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



Video Output Mode Switch:

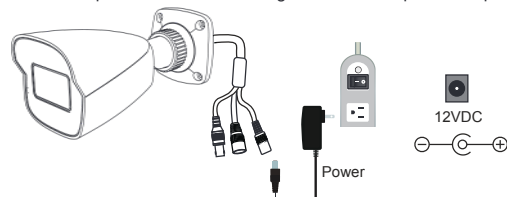


Video Switch Cable

This series supports AHD/TVI/CVI/CVBS video output. The video output can be changed by pressing and holding the button in the video switch cable for 5 seconds (the default video output is TVI video output). Before switching video outputs, please remove the cover of the video switch cable.

Power Connection

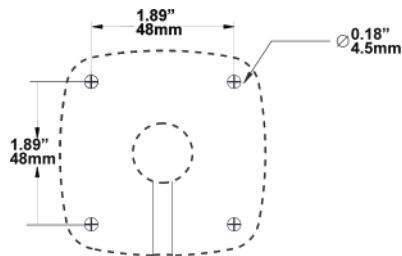
Connect the power connector to a regulated 12 VDC power adaptor.



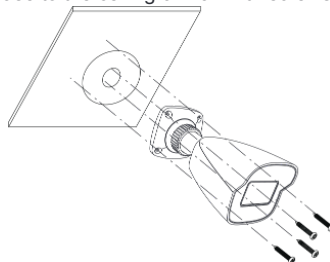
Installation

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:

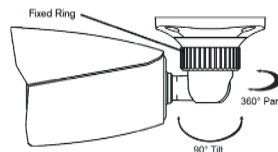
1. Attach the drill template to the place where you want to install the camera, then drill 3 screw holes and 1 cable hole (if you want to route the cables through the mounting base) according to the drill template



2. Route the cables and connect the power & video cables, use the rubber plug to fill the gap of the mounting base. then secure the mounting base to the ceiling or wall with screws.



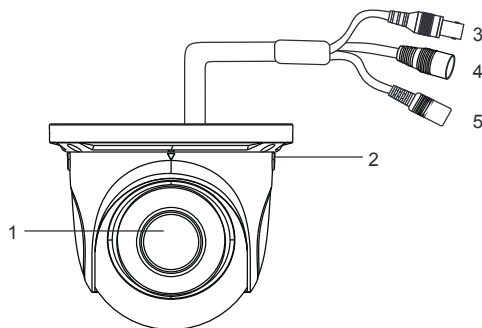
3. Loosen the mount lock to adjust the Pan and Tilt of the camera, then tighten the mount lock to secure the viewing angle adjustments.



VTC-THT2RFE-2 Components

Camera		Hex Wrench	
Manual		Mounting Plate	
Screws		Rubber Plug	

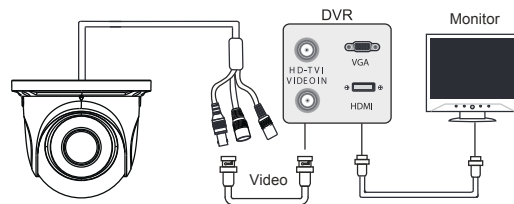
Overview



1	Lens	4	Output Mode Switch
2	Lock Screws	5	Power Cable
3	BNC Video Output		

Video Connection

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



Video Output Mode Switch:

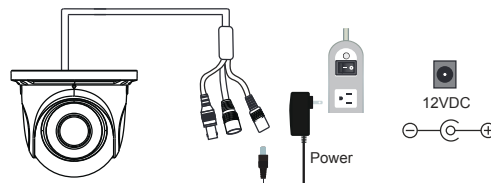


Video Switch Cable

This series supports AHD/TVI/CVI/ CVBS video output. The video output can be changed by pressing and holding the button in the video switch cable for 5 seconds (the default video output is TVI video output). Before switching video outputs, please remove the cover of the video switch cable.

Power Connection

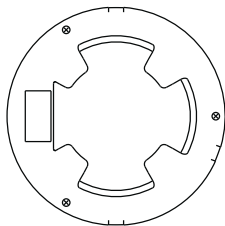
Connect the power connector to a regulated 12 VDC power adaptor.



Installation

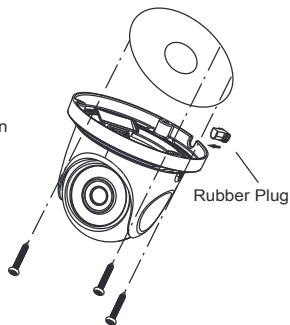
Before you begin, please make sure that the wall or ceiling is strong enough to withstand 3 times the weight of the camera. The mounting steps are as follows:

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

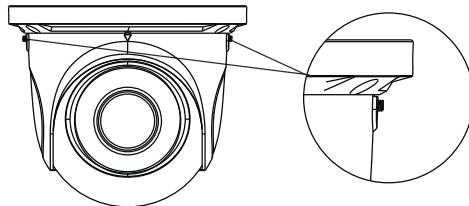


2. Route the cables and connect the power & video cables, then secure the mounting base to the ceiling or wall with screws.

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 the rubber plug.



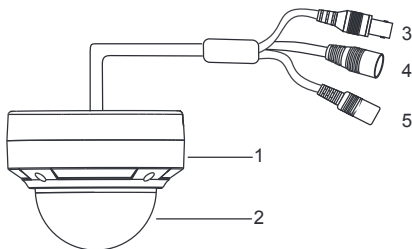
4. Tighten the lock screws to secure the viewing angle adjustments.



VTD-THD2FE-2 Components

Camera		Screws	
Manual		Hex Wrench	
Drill Template			

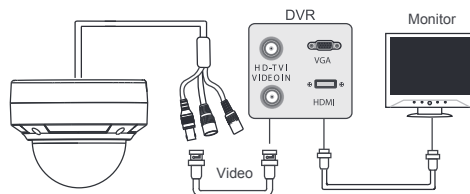
Overview



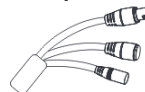
1	Mounting Base	4	Output Mode Switch
2	Dome Cover	5	Power Cable
3	BNC Video Output		

Video Connection

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



Video Output Mode Switch:

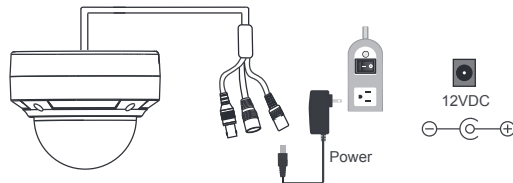


Video Switch Cable

This series supports AHD/TVI/CVI/CVBS video output. The video output can be changed by holding and pressing the button in the video switch cable for 5 seconds (the default video output is AHD video output). Before switching video outputs, please remove the cover of the video switch cable.

Power Connection

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



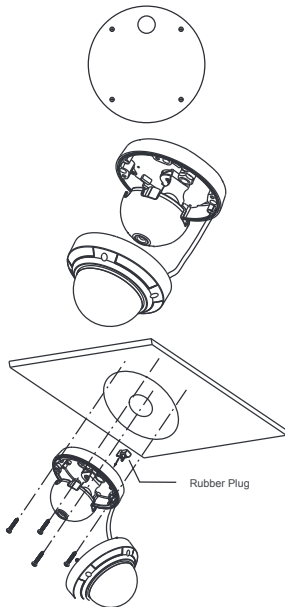
Installation

Before beginning installation, 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:

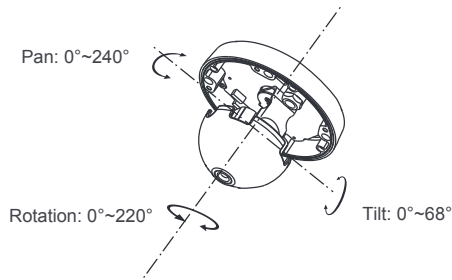
1. Attach the drill template to the place where you want to install the camera, then drill the screw holes and 1 cable hole according to the drill template.

2. Loosen the screws to open the lower dome and then loosen the lock screw to remove the mounting base.

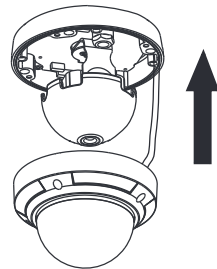
3. Route the cables and connect the power & video cables, use the rubber plug to fill the gap of the mounting base, then secure the mounting base to the ceiling or wall with screws.



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.



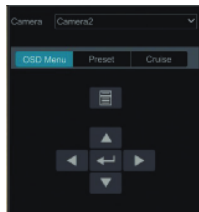
Camera OSD Menu

The Transcendent 4-in-1 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 image will pop-up when you left click once on the image when using Transcendent HDA DVR's.



You will see the following interface by clicking the PTZ button. 



 Click on the OSD tab and then click on the camera menu button.

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 the Enter Button  to enter the sub-menu. to return to previous screen, arrow down to Return and click Enter Button. To Exit menu arrow down to Exit and click Enter Button. 

Detailed Specifications	VTC-THT2RFE-2	VTC-THB2RFE-2	VTD-THD2RFE-2
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 / AHD / CVI / CVBS (Selectable)		
Lens	2.8mm - Fixed		
Day/Night	True Day/Night by ICR		
Min. Illumination	0 lux (with IR ON)		
IR LEDs	1 Matrix	1 Matrix	16 IR LEDs
IR Distance	Up to 100'	Up to 100'	Up to 65'
S/N Ratio	≥ 52dB (AGC Off)		
WDR	Digital WDR		
Digital Noise Reduction (DNR)	XD-DNR (3D-DNR / 2D-DNR)		
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		
Resistance Rating	IP67		+IK10
Operation Conditions	-4° ~ 122° / 10% ~ 90% Humidity		
Weight	14.11 oz. / .88 lbs. / 400g	13.01 oz. / 0.82 lbs. / 370g	20.46 oz. / 1.28 lbs. / 580g
Dimensions	Φ4.25 x 3.75" (Φ108 x 95.7mm)	6.6 x 2.93" (167.5 x 74.5mm)	Φ4.57 x 3.58" (116x91mm)



OPTIONAL MOUNTS FOR FIXED TRANSCENDENT CAMERAS



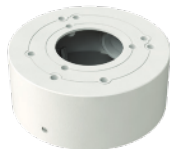
VT-TJB01
Optional Junction
Box for Cable
Management
for use with Select
Transcendent Bullet
and Turret Style
Cameras including
VTC-THT2RFE-2.



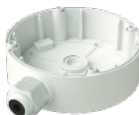
VT-TJB08
Optional Junction
Box for Cable
Management for
use with Select
Transcendent
Cameras including
VTC-THT2RFE-2, VTC-THB2RF2.



VT-TWMT3
Optional Wall Mount
for use with Select
Transcendent Fixed
Lens Turrets and Domes.



VT-TJB07
Optional Junction
Box for Cable Management
for use with Select Bullet
Style Cameras including
VTC-THB2RFE-2.



VT-TJB03A
Optional Junction
Box for Cable
Management for
use with Select
Transcendent Vandal
Dome Cameras



VT-TFM-S
Optional In-Ceiling
Semi-Flush Mount for
use with Fixed
Lens Vandal Dome
Cameras

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.



28492 CONSTELLATION ROAD VALENCIA, CA 91355
WWW.VITEKCCTV.COM

Version 1.0
April 2020