



VTC-THB8RM VTC-THT8RM VTD-THD8RM

**Transcendent 8.0 Megapixel [4K] Indoor/
Outdoor 4-IN-1 Motorized HDA Cameras**



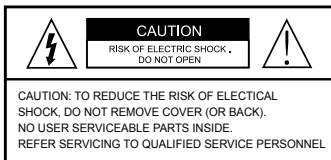
FEATURES

- 1/2.5" 8 MP[4K] Progressive Scan CMOS Image Sensor
- High Definition Analog (HDA) / HD-TVI / AHD / HD-CVI / CVBS
- 8MP@15fps, 5MP@20fps, 4MP@30fps High Res, True Color
- Supports OSD Menu
- 2.8~12mm Motorized Varifocal Lens
- 2 Matrix IRs with up to 165' Range (VTC-THT8RM),
36 IRs with up to 100' Range (VTC-THB8RM)
30 IRs with up to 100' Range (VTD-THD8RM)
- Digital Wide Dynamic Range (D-WDR)
- True Mechanical Day/Night function by ICR
- XD-DNR (2D & 3D DNR) Noise Reduction
- IP67 Weather Resistance (VTC-THT8RM, VTD-THD8RM),
IP66 (VTC-THB8RM), IK10 (VTD-THD8RM)
- Supports Up The COAX Control (CoC)
- Over 1500' HD Video Transmission (Depending on cable
characteristics and integrity)
- Optional Junction Boxes, Wall Mounts, Pendant, and Semi-
Flush Mounts available (See back page of this manual)
- 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.

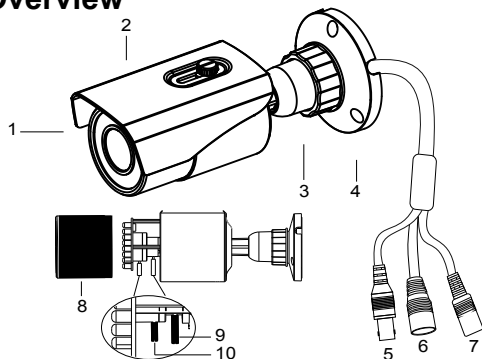
Contact your local VITEK Reseller should servicing become necessary.

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-THB8RM Components

Camera		Screws	
User Manual		Drill Template	

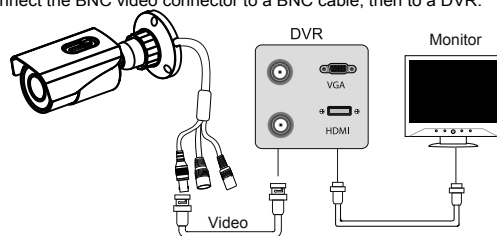
Overview



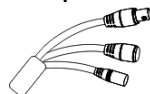
1	Lens	6	Output Mode Switch
2	Sun Shield	7	Power Cable
3	Mount Lock	8	Lens Cover
4	Mount Base	9	Zoom
5	BNC Video Output	10	Focus

Video Connection

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



Video Output Mode Switch:

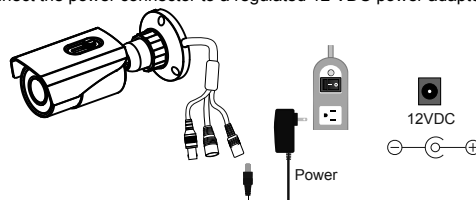


Video Switch Cable

This series supports TVI/AHD/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 TVI video output). Before switching video outputs, please remove the cover of the video switch cable.

Power Connection

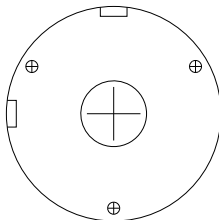
Connect the power connector to a regulated 12 VDC power adaptor.



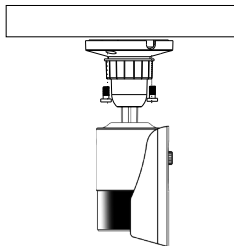
Installation

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:

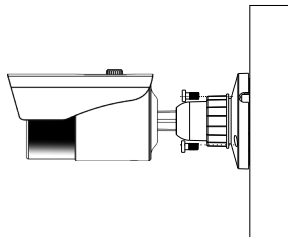
1. Attach the drill template to the place where you want to install the camera, then drill 3 screw holes and 1 cable hole (if you want to route the cables through the mounting base) according to the drill template



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

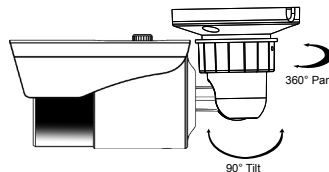


Ceiling Mounted



Wall Mounted

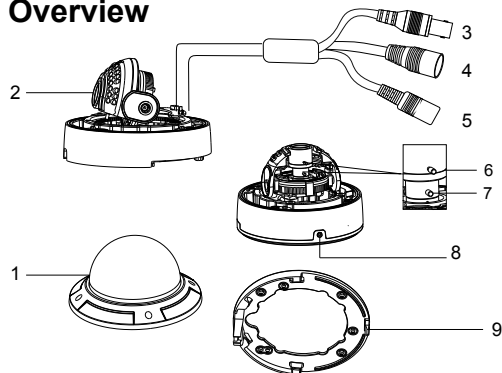
3. Loosen the mount lock to adjust the Pan and Tilt of the camera, then tighten the mount lock to secure the viewing angle adjustments.



VTD-THD8RM Components

Camera		Screws	
Manual		Hex Wrench	
Drill Template			

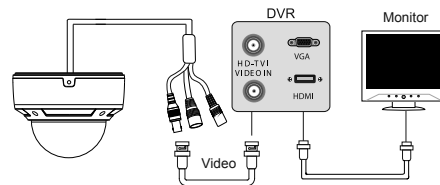
Overview



1	Dome Cover	6	Focus
2	Lens	7	Zoom
3	BNC Video Output	8	Lock Screw
4	Output Mode Switch	9	Mounting Base
5	Power Cable		

Video Connection

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



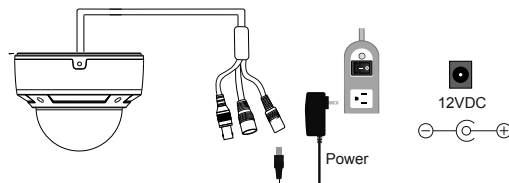
Video Output Mode Switch:



This series supports TVI/AHD/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 TVI video output). Before switching video outputs, please remove the cover of the video switch cable.

Power Connection

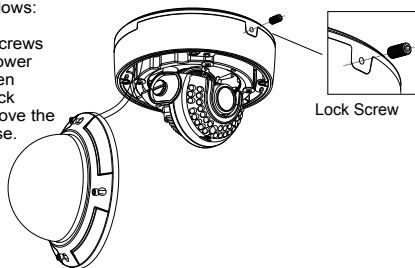
Connect the power connector to a regulated 12 VDC power adaptor.



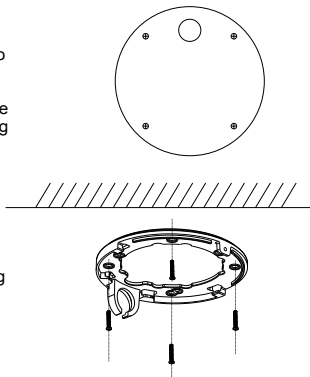
Installation

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

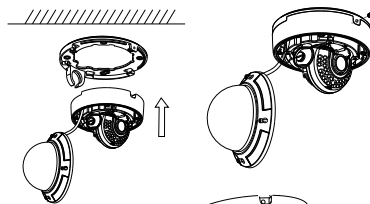


2. Attach the drill template to the place where you want to install the camera, then drill 4 screw holes and 1 cable hole (if you want to route the cables through the mounting base) according to the drill template.

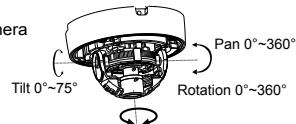


3. Route the cables and connect the power & video cables, then secure the mounting base to the ceiling or wall with screws.

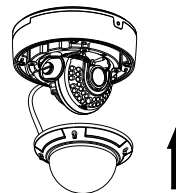
4. Install the camera to the mounting base with the lock screw.



5. Adjust the Three-axis camera bracket to obtain the optimum viewing angle.



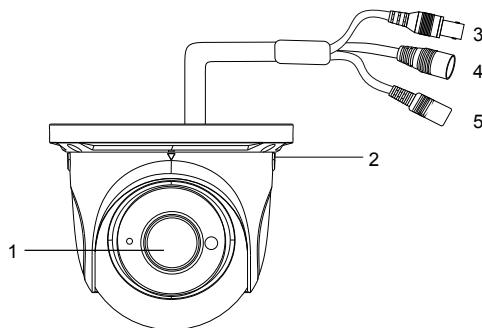
6. Install the dome bubble on the camera with the screws, then carefully remove the protective film to complete the installation.



VTC-THT8RM Components

Camera		Hex Wrench	
Manual		Mounting Plate	
Screws		Rubber Plug	

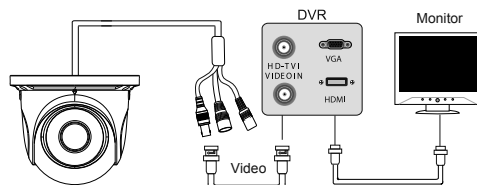
Overview



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.



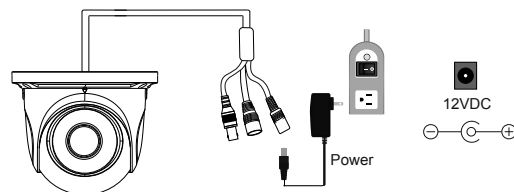
Video Output Mode Switch:



This series supports TVI/AHD/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 TVI video output). Before switching video outputs, please remove the cover of the video switch cable.

Power Connection

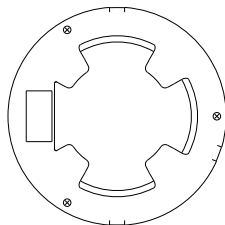
Connect the power connector to a regulated 12 VDC power adaptor.



Installation

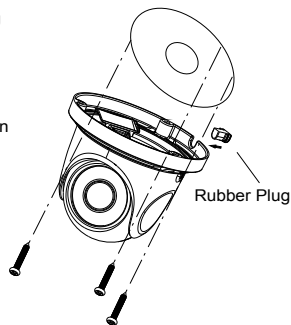
Before you begin, please make sure that the wall or ceiling is strong enough to withstand 3 times the weight of the camera. The mounting steps are as follows:

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.

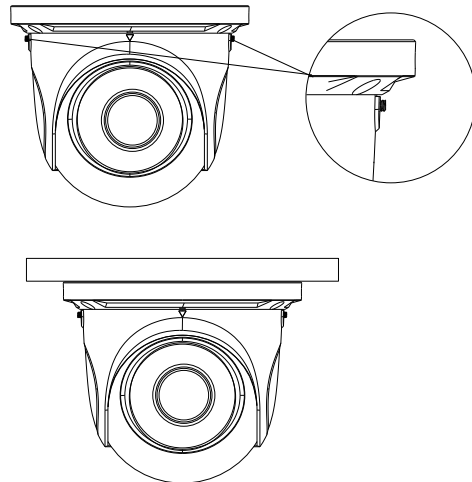


2. Route the cables and connect the power & video cables, then secure the mounting base to the ceiling or wall with screws.

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.

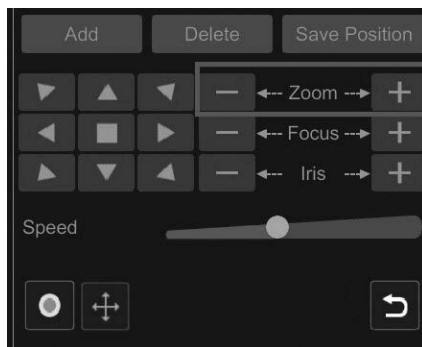


Adjusting the Motorized Lens

1. Click once on the image you want to adjust and then click on the PTZ icon on the sub toolbar



2. The PTZ screen will open and using the Zoom +/- the lens in the camera will now Zoom in or out and will auto focus



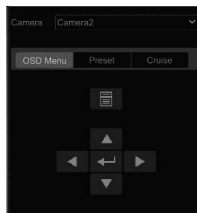
Camera OSD Menu

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 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-THB8RM	VTC-THT8RM	VTD-THD8RM
Image Sensor	1/2.5" 8.0 Megapixel Progressive Scan CMOS Sensor		
Signal System	PAL/NTSC		
Effective Pixels	3840 x 2160		
Resolution	HD-TVI & AHD: 8.0 MegaPixel / CVI: 4.0 MegaPixel / CVBS: 960H		
Video Output	HD-TVI / AHD / CVI / CVBS (Selectable)		
Frame Rate	8MP@15fps / 5MP@20fps / 4MP@30fps		
Lens	2.8-12mm (Motorized Varifocal)		
Day/Night	True Day/Night by ICR		
Min. Illumination	Color: 0.001 lux@F1.2, AGC ON / B/W: 0 lux (with IR ON)		
IR LEDs	36 Dynamic Intensity LEDs	2 Matrix IR LEDs	30 Dynamic Intensity LEDs
IR Distance	120'	165'	100'
S/N Ratio	≥52dB (AGC Off)		
WDR	D-WDR		
Defog	YES		
Digital Noise Reduction (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)	IR Off: 120mA / IR On: 480mA	IR On: 90mA / IR Off: 245mA	IR On: 90mA / IR Off: 290mA
Weather Resistance	IP66	IP67	IP67 / IK10
Operation Conditions	-4 ~ 122 / 10% ~ 90% Humidity		
Weight	21.16 oz. / 1.32 lbs. / 600g	31.04 Oz / 1.94 lbs. / 880g	42.4oz / 2.65 lbs. / 1202g
Dimensions	3.43 x 8.62" (87mm x 219mm) Dia x L	5.13" x 4.23" (130mm x 109mm) Dia x W	5.93" x 4.49" (151 x 114mm) Dia x H



OPTIONAL MOUNTS FOR TRANSCENDENT MOTORIZED VARIFOCAL CAMERAS



VT-TJB02A

*Optional Junction
Box for use with
Transcendent
Motorized Domes*



VT-TJB021

*Optional Junction
Box for use with
Transcendent
Motorized Turrets
and Domes*



VT-TJB01

*Optional Junction
Box for use
with Select -
Transcendent Tur
rets and Bullets*



VT-TWMT-4

*Optional Wall
Mount for use
with Motorized
Transcendent
Turrets*



VT-TWM03

*Optional Wall
Mount for use
with Transcendent
Motorized Domes
and Turrets*



VT-TWMT-A1

*Optional Wall
Mount for use
with Transcendent
Motorized Domes
and Turrets*



VT-TPDMT-A1

*Universal 10"
Pendant Mount
Post Adapter -
requires
VT-TJB02A*



VT-TPDM-3

*Pendant Mount
Post Adapter -
requires
VT-TJB021*



VT-TPDM-2

*Mount Post Adapter -
requires
VT-TJB01*



VT-TFMT-L

*Optional Semi
Flush Mount
for use with*

OTHER ACCESSORIES



VT-TR4VPK

*Video and Power Balun
Transmitter / Receiver
Pair for HD-TVI / AHD
/ CVI for Distances Up
to 1000'*



VT-TR4K

*Passive Video Balun
Transmitter / Receiver
Pair for HD-TVI / AHD
/ CVI for Distances Up
to 1440'*



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