



VTC-THB8RM
VTC-THT8RM
VTD-THD8RM

**Transcendent 8.0 Megapixel [4K] Indoor/
Outdoor 4-IN-1 Motorized 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-THB8RM),
2 Matrix IRs with up to 165' Range (VTC-THT8RM)
3 Matrix with up to 100' Range (VTD-THD8RM)
- True Mechanical Day/Night function by ICR
- XD-DNR (2D & 3D DNR) Noise Reduction
- IP67 Weather Resistance
- Supports Control over COAX (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.

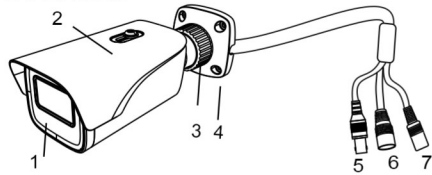
Contact your local VITEK Reseller should servicing become necessary.

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	
Manual		Allen Key	
Drill Template			

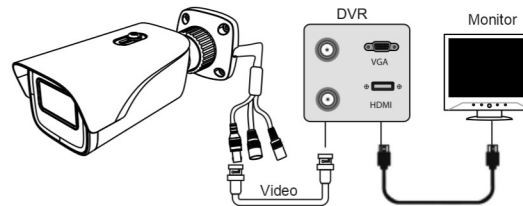
Overview



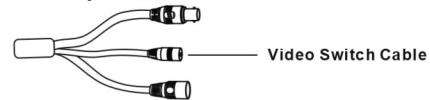
1	Lens	6	Output Mode Switch
2	Sun Shield	7	Power Cable
3	Mount Lock		
4	Mount Base		
5	BNC Video Output		

Video Connection

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



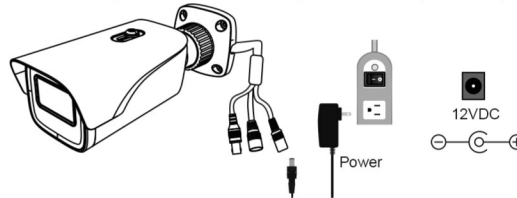
Video Output Mode Switch:



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

Power Connection

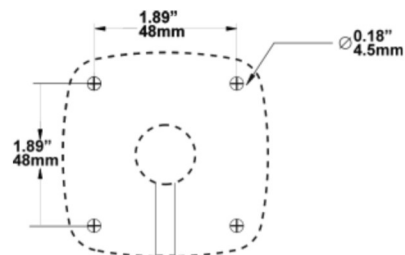
Connect the power connector to a regulated 12 VDC power adaptor.



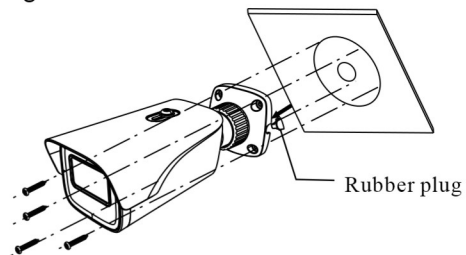
Installation

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:

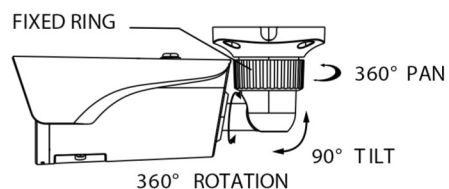
1. Attach the drill template to the place where you want to install the camera, then drill 4 screw holes and 1 cable hole (if routing the cables through the mounting base) according to the drill template



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.



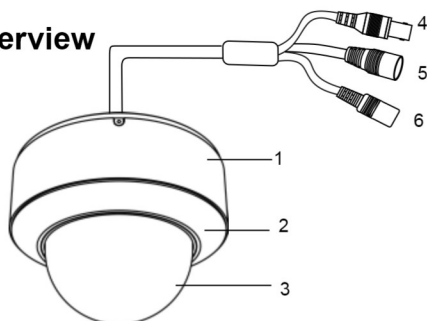
3. Loosen the mount lock to adjust the pan and tilt, then tighten the mount lock to secure the viewing angle adjustments.



VTD-THD8RM Components

Camera		Screws	
Manual		Allen Key	
Drill Template			

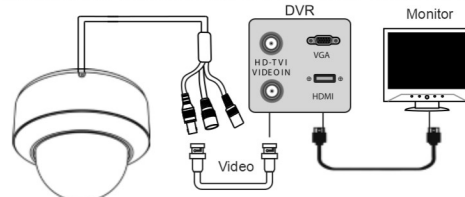
Overview



1	Mounting Base	4	BNC Video Output
2	Dome Cover	5	Output Mode Switch
3	Trim Ring	6	Power Cable

Video Connection

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



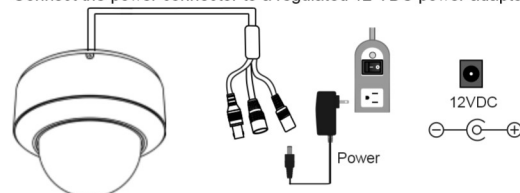
Video Output Mode Switch:



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

Power Connection

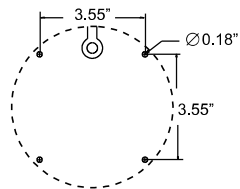
Connect the power connector to a regulated 12 VDC power adaptor.



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:

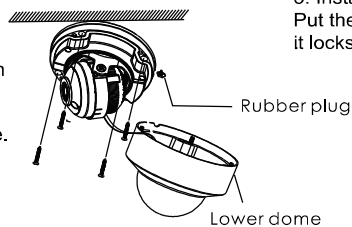
1. Attach the drill template to the place where you want to install the camera, then drill the screw holes and 1 cable hole according to the drill template.



- 1A. Rotate the trim ring counterclockwise to remove.



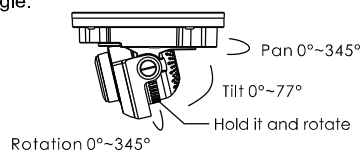
2. Loosen the screws to open the lower dome and then loosen the lock screw to remove the mounting base.



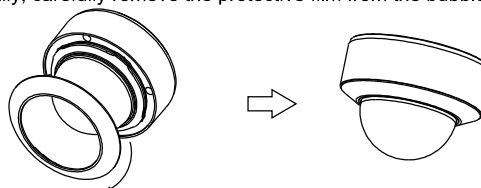
3. Route the cables and connect the power & video cables, use the rubber plug to fill the gap of the mounting base. Then secure the camera to the ceiling or wall with the screws provided.



4. Before adjusting the three-axis camera mount, preview the camera on a monitor, then adjust as necessary to achieve the optimum viewing angle.



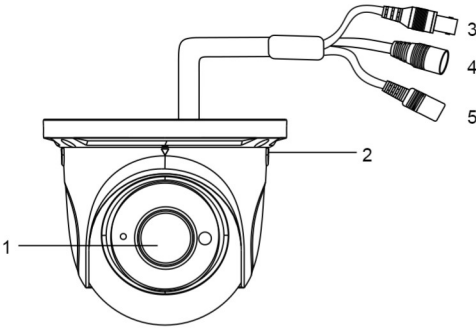
5. Install the dome bubble on the camera with the included screws. Put the trim ring back on the lower dome and turn it clockwise until it locks. Finally, carefully remove the protective film from the bubble.



VTC-THT8RM Components

Camera		Hex Wrench	
Manual		Mounting Plate	
Screws		Rubber Plug	

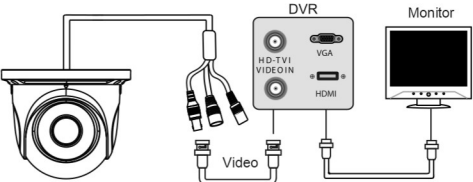
Overview



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.



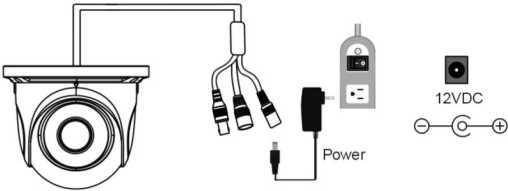
Video Output Mode Switch:



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

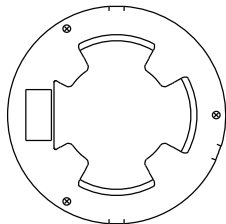
Connect the power connector to a regulated 12 VDC power adaptor.



Installation

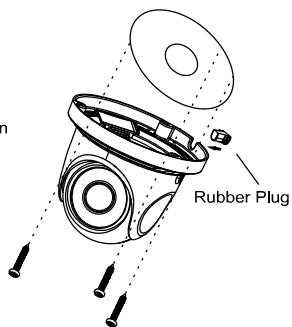
Before you begin, please make sure that the wall or ceiling is strong enough to withstand 3 times the weight of the camera. The mounting steps are as follows:

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.

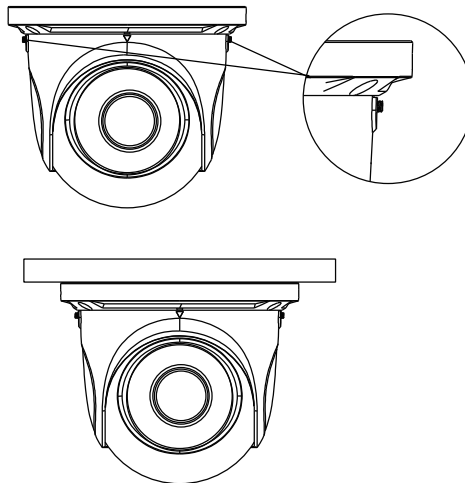


2. Route the cables and connect the power & video cables, then secure the mounting base to the ceiling or wall with screws.

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.

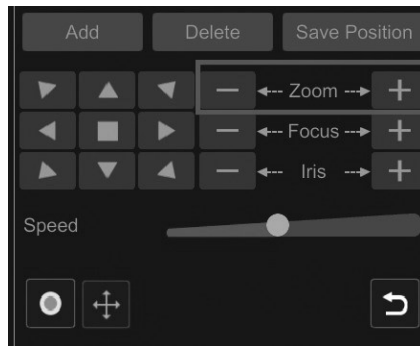


Adjusting the Motorized Lens

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



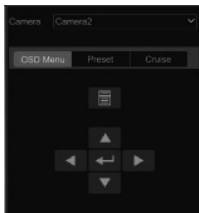
Camera OSD Menu

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 [4K] 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	2 Matrix IR LEDs	2 Matrix IR LEDs	3 Matrix IR
IR Distance	165'	165'	100'
S/N Ratio	≥52dB (AGC Off)		
Other Features	Saturation, Contrast, Sharpness, Contrast, Smart IR, Image Setting, Auto Defect Correction		
Digital Noise Reduction (DNR)	XD-DNR (3D-DNR & 2D-DNR)		
White Balance	Auto (AWB)		
BLC	YES		
Control over COAX (COC)	YES		
Transmission Distance	Up to 1500' (Depending on cable characteristics & integrity)		
Power Input	12VDC		
Power Consumption (12VDC)	IR Off: 120mA / IR On: 600mA	IR Off: 100mA / IR On: 500mA	IR Off: 100mA / IR On: 450mA
Weather Resistance	IP67	IP67	IP67 / IK10
Operation Conditions	-4 ~ 122 / 10% ~ 90% Humidity		
Weight (NET)	23.63oz / 1.48 lbs. / 670g	22.93 Oz / 1.43 lbs. / 650g	29.27oz / 1.83 lbs. / 830g
Weight SHIPPING)	29.98oz / 1.88 lbs. / 850g	26.45 Oz / 1.65 lbs. / 750g	37.39oz / 2.34 lbs. / 1060g
Dimensions	8.68 x 3.15 x 2.78" (220.5 x 80.1 x 70.5mm)	5.13 x 4.33" (130mm x 110mm) Dia x H	5.55 x 3.95" (141 x 100.2mm) Dia x H



OPTIONAL MOUNTS FOR TRANSCENDENT MOTORIZED VARIFOCAL CAMERAS



VT-TJB010
Optional Junction
Box for Use with
Select
Transcendent
Motorized Domes



VT-TJB021
Optional Junction
Box for use with
Select
Transcendent
Motorized Turrets



VT-TJB01
Optional Junction
Box for use with
Select
Transcendent
Motorized Turrets



VT-TJB08
Optional Junction
Box for use with
Select
Transcendent
Bullets & Turrets



VT-TWMT-4
Optional Wall
Mount for use
with Select
Transcendent
Motorized Turrets



VT-TWM03
Optional Wall
Mount for use
with Select
Transcendent
Motorized
Turrets



VT-TWMT-A2
Optional Wall
Mount for use
with Select
Transcendent
Motorized
Domes (requires
VT-TJB010)



VT-TPDM-3
Pendant Mount
Post Adapter for
Select Transcen-
dent Motorized
Turrets (requires
VT-TJB021)



VT-TPDM-2
Pendant Mount
Post Adapter for
Select Transcen-
dent Motorized
Turrets (requires
VT-TJB01)



VT-TPDMT-A2
Pendant Mount
Post Adapter for
Select Transcen-
dent Motorized
Domes (requires
VT-TJB010)



VT-TCNMT
Transcendent
Universal Corner
Adapter (requires
VT-TJB08 (for
VTC-THB8RM),
VT-TJB01 +
VT-TWM03
(for VTC-THT8RM,
or VT-TWMT-A2 +
VT-TJB010
(for VTD-THD8RM)



VT-TPLMT
Transcendent
Universal Pole
Adapter (requires
VT-TJB08 (for
VTC-THB8RM),
VT-TJB01 +
VT-TWM03
(for VTC-THT8RM),
or VT-TWMT-A2 +
VT-TJB010
(for VTD-THD8RM)



VT-TFMT-L2
Semi Flush
Ceiling Dome
Mount for
Use with Select
Transcendent
Motorized Domes



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'



**Pair with VITEK Transcendent
Series 5-in-1 Digital Video Recorders
Supporting HD-TVI / AHD / CVI / IP /
960H Cameras!**



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