



VTC-THB5RM VTC-THT5RM VTD-THD5RM

**Transcendent 5.0 Megapixel Indoor/Outdoor
HD-TVI/AHD/CVI/ CVBS Motorized Lens IR Cameras**

- 1/2.7" 5.0 MegaPixel Progressive Scan CMOS Image Sensor
- High Definition Analog (HDA): HD-TVI / AHD: 5.0MP / HD-CVI: 4.0MP / CVBS: 960H Video Output
- 2.8~12mm Motorized Varifocal Lens
- Supports OSD Menu
- 2 Matrix IRs with up to 165' IR Range (VTC-THB5RM)
- 2 Matrix IRs with up to 165' IR Range (VTC-THT5RM)
- 30 IR LEDs with up to 100' IR Range (VTD-THD5RM)
- True Mechanical Day/Night function by ICR
- Digital Wide Dynamic Range (D-WDR)
- Digital Noise Reduction (DNR)
- IP67 Weather Resistance (+IK10 on VTD-THD5RM)
- Supports Control over COAX (CoC)

- Over 1500' HD Video Transmission (Depending on cable characteristics and integrity)

- VTC-THB5RM: J Boxes - VT-TJB07, TJB08

VTC-THT5RM: J Boxes (VT-TJB01, VT-TJB021), Wall Mounts (VT-TWM03, VT-TWM4) and Pendant Mounts (VT-TPDM-2 [use w/ VT-TJB01], VT-TPDM-3 [use w/ VT-TJB021])

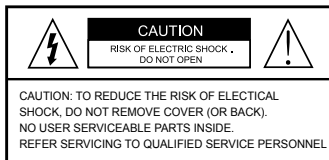
VTD-THD5RM: J Boxes (VT-TJB02A, VT-TJB021), Wall Mounts (VT-TWM03, VT-TWM-A1), Pendant Mounts (VT-TPDMT-A1 [use w/ VT-TJB02A], VT-TPDM-3 [use w/ VT-TJB021]) and In-Ceiling Semi Flush Mount (VT-TFMT-L)

- 12VDC Operation
- 3-year Warranty



Safety Precautions

- 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.

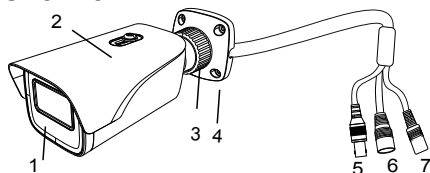
Caution :

- 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-THB5RM - Components

Camera		Screws	
Manual		Hex Wrench	
Drill Template			

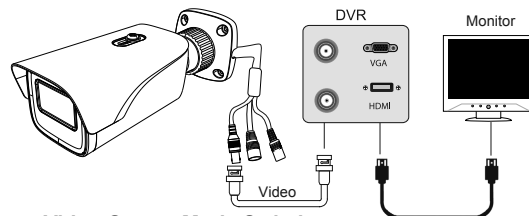
Overview



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.



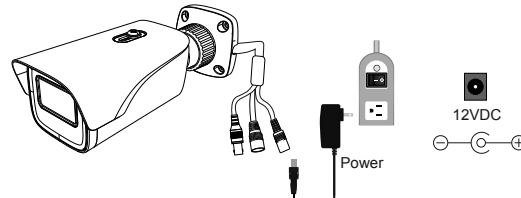
Video Output Mode Switch:



This series supports 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

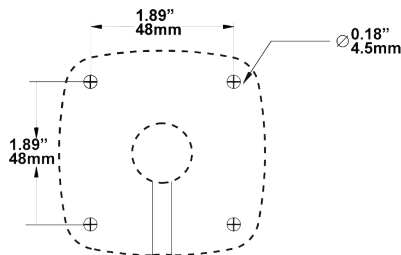
Connect the power connector to a regulated 12 VDC power adaptor.



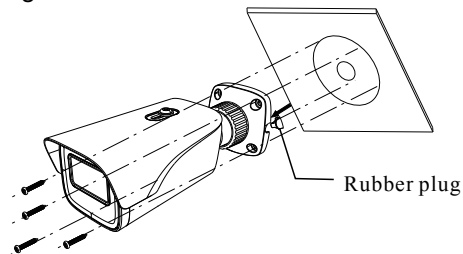
Installation

Before 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:

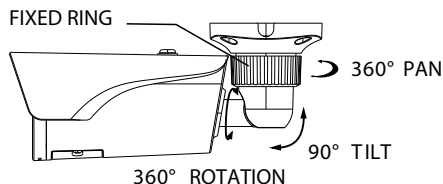
1. Attach the drill template to the place where you want to install the camera, then drill 3 screw holes and 1 cable hole (if routing the cables through the mounting base) according to the drill template



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.

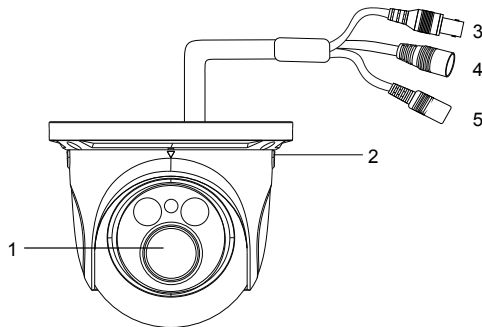


4. Carefully remove the protective film from the lens to complete the installation.

VTC-THT5RM Components

Camera		Hex Wrench	
Manual		Mounting Plate	
Screws		Rubber Plug	

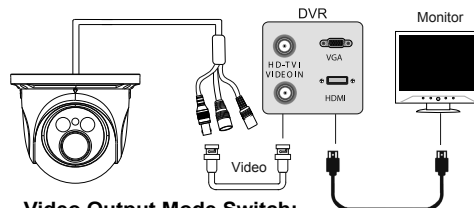
Overview



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.



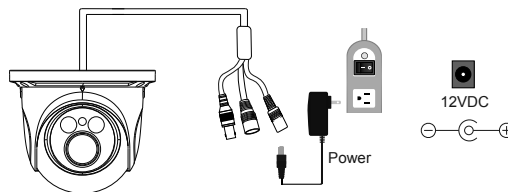
Video Output Mode Switch:



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

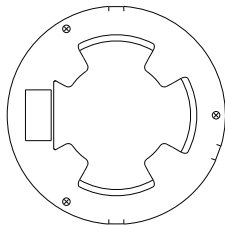
Connect the power connector to a regulated 12 VDC power adaptor.



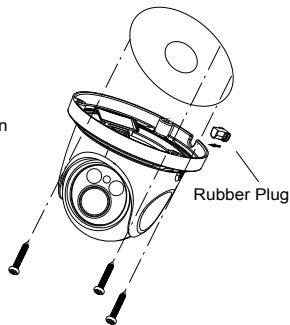
Installation

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.

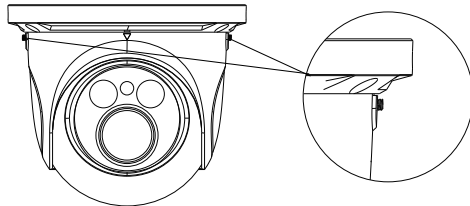


2. Route the cables and connect the power & video cables, then secure the mounting base to the ceiling or wall with screws.

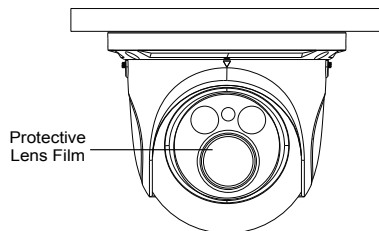


3. Loosen the lock screws, then adjust the camera to obtain the optimum viewing angle. Confirm the correct viewing angle with a monitor. Next insert the rubber plug.

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



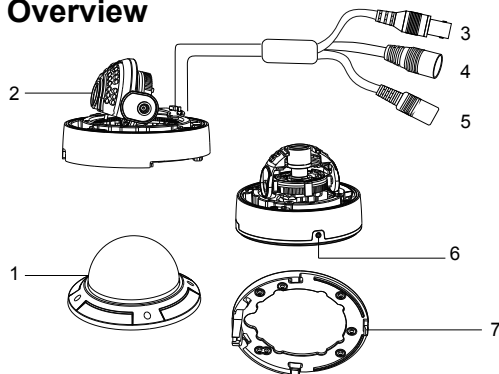
5. Carefully remove the protective film from the lens to complete the installation.



VTD-THD5RM Components

Camera		Screws	
Manual		Hex Wrench	
Drill Template			

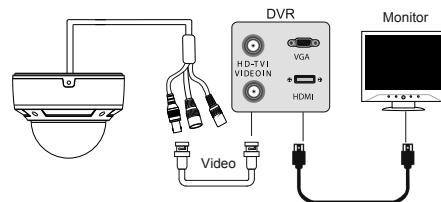
Overview



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

Video Connection

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



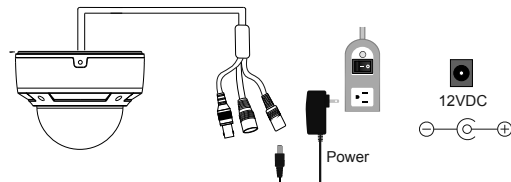
Video Output Mode Switch:



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

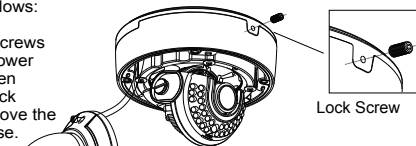
Connect the power connector to a regulated 12 VDC power adaptor.



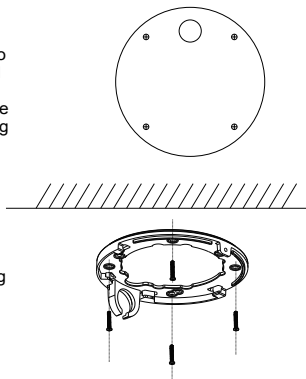
Installation

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.

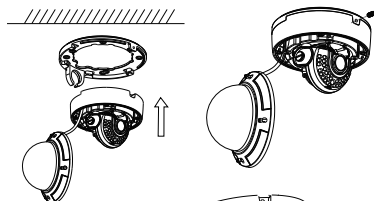


2. Attach the drill template to the place where you want to install the camera, then drill 4 screw holes and 1 cable hole (if you want to route the cables through the mounting base) according to the drill template.

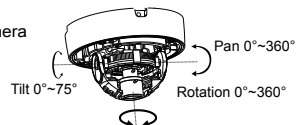


3. Route the cables and connect the power & video cables, then secure the mounting base to the ceiling or wall with screws.

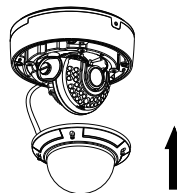
4. Install the camera to the mounting base with the lock screw.



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.

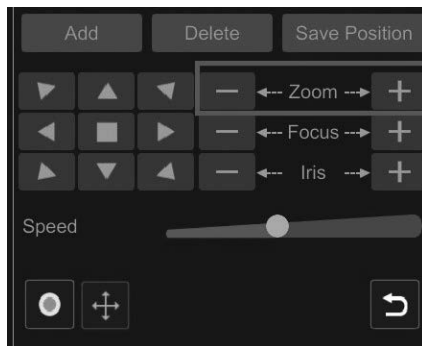


Adjusting the Motorized Lens

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



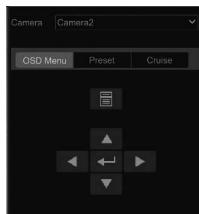
Camera OSD Menu

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-THT5RM	VTC-THB5RM	VTD-THD5RM
Image Sensor	1/2.7" 5.0 Megapixel Progressive Scan CMOS Sensor		
Signal System	PAL/NTSC		
Effective Pixels	2592 x 1944		
Resolution	HD-TVI & AHD: 5.0 MegaPixel / CVI: 4.0 MegaPixel / CVBS: 960H		
Video Output	HD-TVI / AHD / CVI / CVBS (Selectable)		
Frame Rate	20fps		
Lens	2.8 ~ 12mm (Motorized Varifocal)		
Day/Night	True Day/Night by ICR		
Min. Illumination	Color: 0.01 lux@F1.2, AGC ON / B/W: 0 lux (with IR ON)		
IR LEDs	2 Matrix IRs	2 Matrix IRs	30 Dynamic Intensity LEDs
IR Distance	165'	165'	100'
S/N Ratio	≥52dB (AGC Off)		
WDR	D-WDR		
Defog	NO		
Digital Noise Reduction (DNR)	Digital 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: 290mA
Weather Resistance	IP67	IP67	IP67 / IK10
Operation Conditions	-4 ~ 122 / 10% ~ 90% Humidity		
Weight	22.93 oz. / 1.43 lbs. / 650 g	20.11 oz. / 1.26 lbs. / 570g	32.80 oz. / 2.05 lbs. / 930g
Dimensions	5.13" x 4.23" (130mm x 109mm) Dia x W	8.68 x 3.15" x 2.78" (220.5 x 80.1 x 70.5mm)	5.91" x 4.49" (150 x 114mm) Dia x H



OPTIONAL MOUNTS FOR TRANSCENDENT MOTORIZED CAMERAS



VT-TJB02A

Optional Junction Box for use with Transcendent Motorized Domes



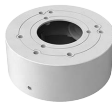
VT-TJB021

Optional Junction Box for use with Transcendent Motorized Turrets and Domes



VT-TJB01

Optional Junction Box for use with Select Transcendent Turrets and Bullets



VT-TJB07

Optional Junction Box for use with Select Transcendent Bullets



VT-TJB08

Optional Junction Box for use with Select Transcendent Bullets and Turrets



VT-TWMT-4

Optional Wall Mount for use with Motorized Transcendent Turrets



VT-TWM03

Optional Wall Mount for use with Transcendent Motorized Domes



VT-TFMT-L

Optional Semi Flush Mount for use with Transcendent Motorized Domes



VT-TWMT-A1

Optional Wall Mount for use with Transcendent Motorized Domes and Turrets - requires VT-TJB02A



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

Pendant Mount Post Adapter - requires VT-TJB01



VT-TPLMT

Universal Transcendent Pole Mount Adapter - Ivory



VT-TPLMT

Universal Transcendent Corner Mount Adapter - Ivory

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'



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