



VTC-THB36R2F
VTD-THD16R2F
VTD-THMD2RF
VTC-THT24R2F

**Transcendent 2.1 Megapixel Indoor/
 Outdoor 4-IN-1 HDA Cameras w/IR LED
 Illumination**



FEATURES

- 1/2.8" 2.1 Megapixel Progressive Scan CMOS Sensor
- Advanced Starlight Technology Offers Dramatically Higher Sensitivity to Light Producing Color Images in Very Dark & Night Scenes
- 2.1 MegaPixel High Definition Analog (HDA): HD-TVI, AHD, CVI / 960H: CVBS: Output
- 2.8 or 3.6mm Fixed Lens Options
- Infrared LED's with up to 120' IR Range
- True Wide Dynamic Range (WDR)
- True Mechanical Day/Night function by ICR
- 3D-DNR Noise Reduction
- IP66 Weather Resistance & IK10 Impact Rating
- Supports Up The COAX Control
- Over 1500' HD Video Transmission (Depending on cable characteristics and integrity)
- Optional Junction Box & Wall Mounts Available
- 12VDC Operation
- 3 Year Warranty



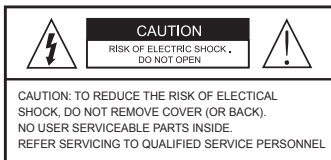
PLEASE NOTE:

Complete User Guide, Software, Tools, and Updates are available online. Scan the QR Code or visit:
<http://www.vitekccv.com/Downloads>



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.

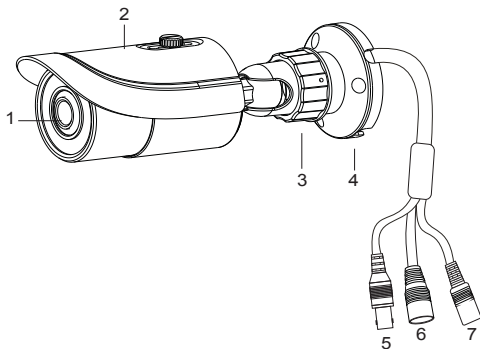
Contact your local VITEK Reseller should servicing become necessary.

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-THB36R2F Components

Camera		Screws	
User Manual		Drill Template	

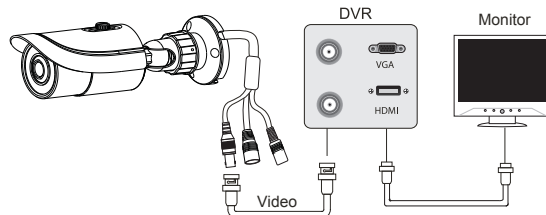
Overview



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

Video Connection

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



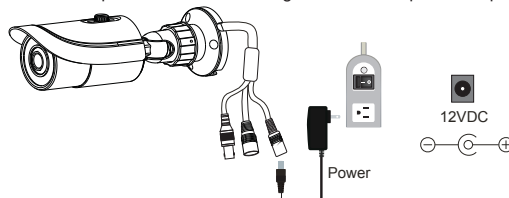
Video Output Mode Switch:

Select the desired video mode using the dip switches contained within the on-cable Output Mode Switch as follows:



Power Connection

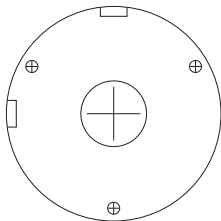
Connect the power connector to a regulated 12 VDC power adaptor.



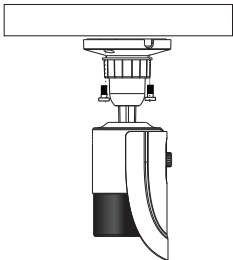
Installation

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:

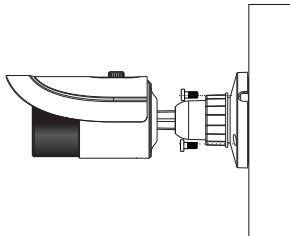
1. Attach the drill template to the place where you want to install the camera, then drill 3 screw holes and 1 cable hole (if you want to route the cables through the mounting base) according to the drill template



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

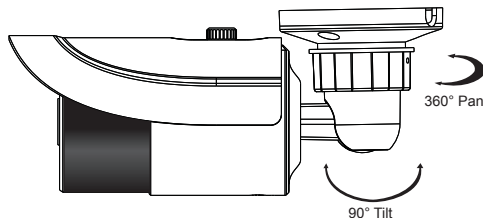


Ceiling Mounted

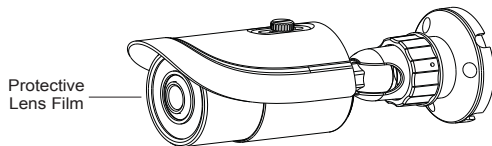


Wall Mounted

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.



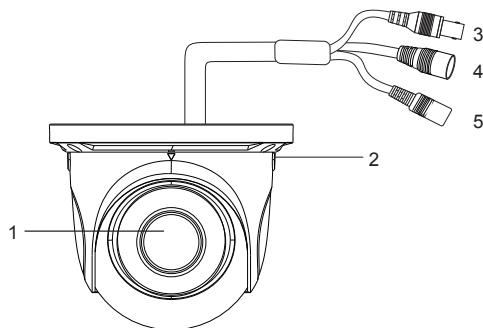
4. Carefully remove the protective film from the lens to complete the installation.



VTC-THT24R2F Components

Camera		Hex Wrench	
Manual		Mounting Plate	
Screws		Rubber Plug	

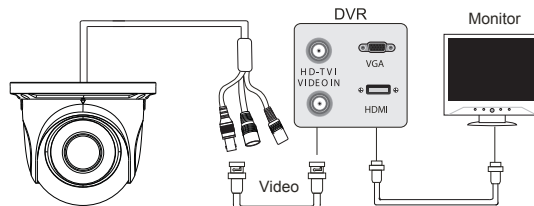
Overview



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.



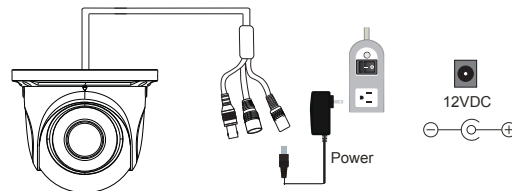
Video Output Mode Switch:

Select the desired video mode using the dip switches contained within the on-cable Output Mode Switch as follows:



Power Connection

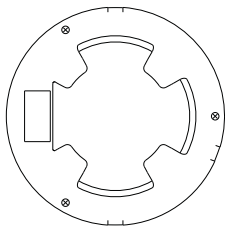
Connect the power connector to a regulated 12 VDC power adaptor.



Installation

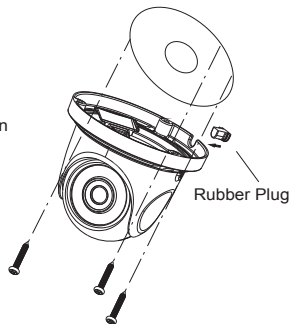
Before you begin, please make sure that the wall or ceiling is strong enough to withstand 3 times the weight of the camera. The mounting steps are as follows:

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

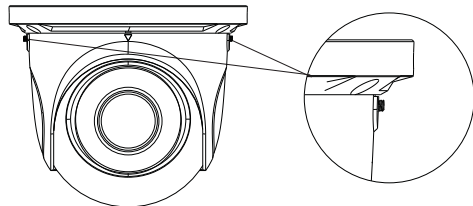


2. Route the cables and connect the power & video cables, then secure the mounting base to the ceiling or wall with screws.

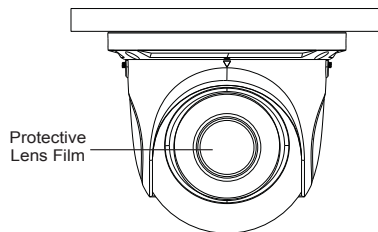
3. Loosen the lock screws, then adjust the camera to obtain the optimum viewing angle. Confirm the correct viewing angle with a monitor. Next insert the rubber plug.



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



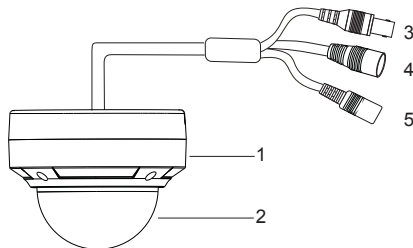
5. Carefully remove the protective film from the lens to complete the installation.



VTD-THD16R2F Components

Camera		Screws	
Manual		Hex Wrench	
Drill Template			

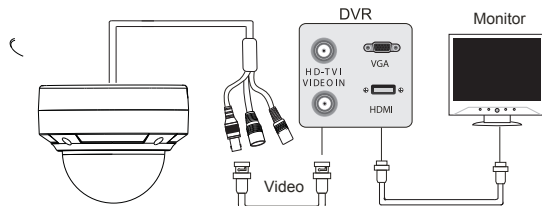
Overview



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.



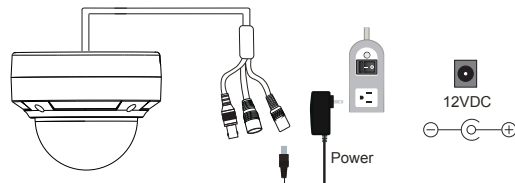
Video Output Mode Switch:

Select the desired video mode using the dip switches contained within the on-cable Output Mode Switch as follows:



Power Connection

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



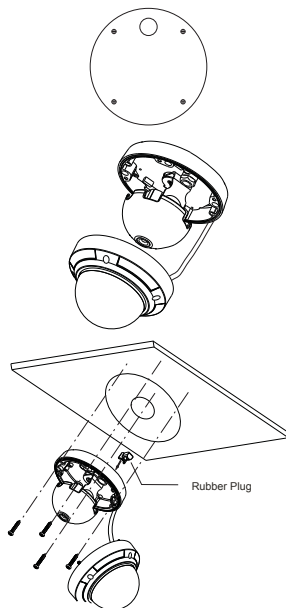
Installation

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:

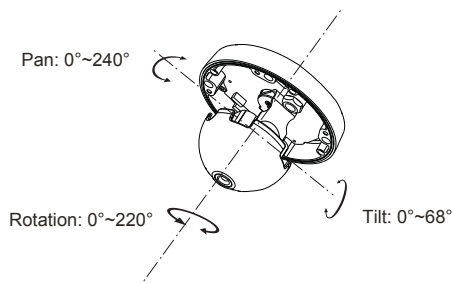
1. Attach the drill template to the place where you want to install the camera, then drill the screw holes and 1 cable hole according to the drill template.

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

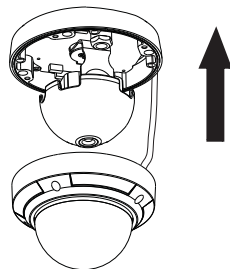
3. Route the cables and connect the power & video cables, use the rubber plug to fill the gap of the mounting base, then secure the mounting base to the ceiling or wall with screws.



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



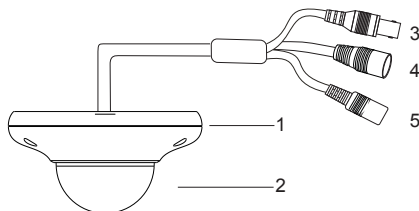
5. Install the dome bubble on the camera with the screws, then carefully remove the protective film to complete the installation.



VTD-THMD2RF Components

Camera		Screws	
Manual		Hex Wrench	
Drill Template			

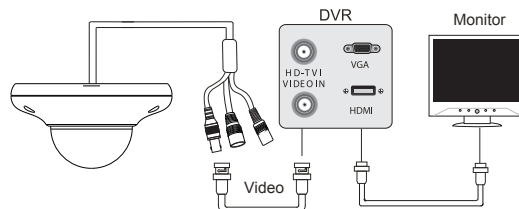
Overview



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.



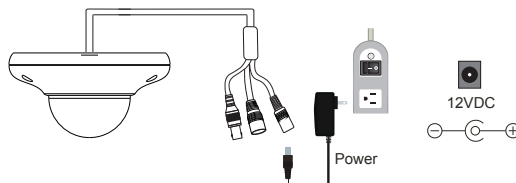
Video Output Mode Switch:

Select the desired video mode using the dip switches contained within the on-cable Output Mode Switch as follows:



Power Connection

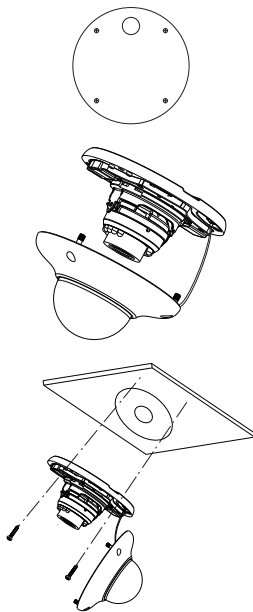
Connect the power connector to a regulated 12 VDC power adaptor.



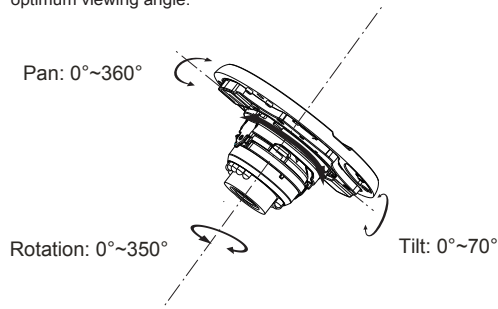
Installation

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:

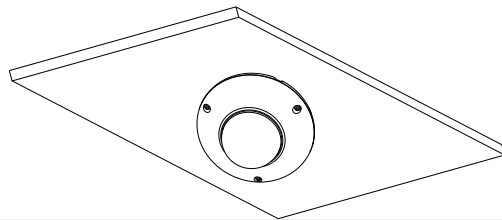
1. Attach the drill template to the place where you want to install the camera, then drill the screw holes and 1 cable hole according to the drill template.
2. Loosen the screws to open the lower dome and then loosen the lock screw to remove the mounting base.
3. Route the cables and connect the power & 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. Before adjusting the three-axis camera mount, preview the camera on a monitor, then adjust as necessary achieve the optimum viewing angle.



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



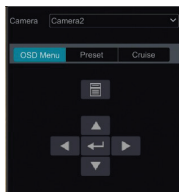
Camera OSD Menu

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 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.

VTC-TM36R2F Specifications

Image Sensor	1/2.8" 2.1 Megapixel Progressive Scan CMOS Sensor with Advanced Starlight Technology
Signal System	PAL/NTSC
Effective Pixels	1920 x 1080
Resolution	HD-TVI / AHD / CVI: 2.1 MegaPixel / CVBS: 960H
Video Output	HD-TVI / AHD / CVI / CVBS (Selectable)
Frame Rate	30fps
Lens	2.8 or 3.6mm Fixed Lens Options
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
IR Distance	120'
S/N Ratio	≥52dB (AGC Off)
WDR	True WDR
Defog	YES
Digital Noise Reduction (DNR)	3D-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 On: 120mA / IR Off: 300mA
Weather Resistance	IP66
Operation Conditions	-4 ~ 122 / 10% ~ 90% Humidity
Weight	20.81 oz. / 1.30 lbs. / 590g
Dimensions	3.43 x 8.62" (87mm x 219mm) Dia x L

VTD-TM16R2F Specifications

Image Sensor	1/2.8" 2.1 Megapixel Progressive Scan CMOS Sensor with Advanced Starlight Technology
Signal System	PAL/NTSC
Effective Pixels	1920 x 1080
Resolution	HD-TVI / AHD / CVI: 2.1 MegaPixel / CVBS: 960H
Video Output	HD-TVI / AHD / CVI / CVBS (Selectable)
Frame Rate	30fps
Lens	2.8 or 3.6mm Fixed Lens Options
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	16 Dynamic Intensity LEDs
IR Distance	65'
S/N Ratio	≥52dB (AGC Off)
WDR	True WDR
Defog	YES
Digital Noise Reduction (DNR)	3D-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
Resistance Rating	IP66 / IK10
Operation Conditions	-4 ~ 122 / 10% ~ 90% Humidity
Weight	21.34 oz. / 1.33 lbs. / 605g
Dimensions	4.57" x 3.58" (116mm×91mm) Dia x H

VTD-THM02R2F-2 Specifications

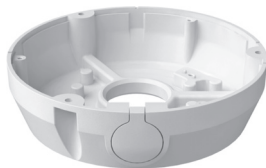
Image Sensor	1/2.8" 2.1 Megapixel Progressive Scan CMOS Sensor with Advanced Starlight Technology
Signal System	PAL/NTSC
Effective Pixels	1920 x 1080
Resolution	HD-TVI / AHD / CVI: 2.1 MegaPixel / CVBS: 960H
Video Output	HD-TVI / AHD / CVI / CVBS (Selectable)
Frame Rate	30fps
Lens	2.8mm Fixed Iris Lens
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	10 Dynamic Intensity LEDs
IR Distance	65'
S/N Ratio	≥52dB (AGC Off)
WDR	True WDR
Defog	YES
Digital Noise Reduction (DNR)	3D-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
Resistance Rating	IP66 / IK10
Operation Conditions	-4 ~ 122 / 10% ~ 90% Humidity
Weight	12.31 oz. / 0.77 lbs. / 349g
Dimensions	4.33" x 2.28" (110 × 58mm) Dia x H

VTC-THT24R2F Specifications

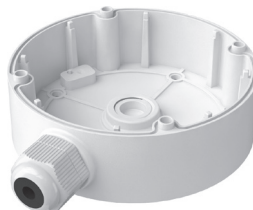
Image Sensor	1/2.8" 2.1 Megapixel Progressive Scan CMOS Sensor with Advanced Starlight Technology
Signal System	PAL/NTSC
Effective Pixels	1920 x 1080
Resolution	HD-TVI / AHD / CVI: 2.1 MegaPixel / CVBS: 960H
Video Output	HD-TVI / AHD / CVI / CVBS (Selectable)
Frame Rate	30fps
Lens	2.8 or 3.6mm Fixed Lens Options
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	24 Dynamic Intensity LEDs
IR Distance	65'
S/N Ratio	≥52dB (AGC Off)
WDR	True WDR
Defog	YES
Digital Noise Reduction (DNR)	3D-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
Weather Resistance	IP66
Operation Conditions	-4 ~ 122 / 10% ~ 90% Humidity
Weight	13.05 oz. / 0.82 lbs. / 370g
Dimensions	3.43" x 4.25" (87 × 108mm) Dia x H



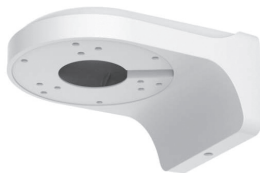
TRANSCENDENT MOUNTS ALSO AVAILABLE FOR 4-IN-1 CAMERAS!



VT-TJB01
Optional Junction Box for
Cable Management for use
with all Transcendent Bullet
and Turret Style Cameras
(VTC-THB36R2F / VTC-
THT24R2F)



VT-TJB03A
Optional Junction Box for Cable
Management for use with Select
Transcendent Vandal Dome
Cameras (VTD-THD16R2F)



VT-TWMT3
Optional Wall Mount for use
with most Transcendent
Fixed Domes and Turrets
(VTC-THT24R2F / VTD-
THD16R2F)



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