

INSTALLATION GUIDE



FEATURES:

- Sony® 1/2.8" Progressive Scan CMOS Sensor
- Up to 30fps live view @ 2048 x 1536 (3.15 MegaPixel)
- MegaPixel IR Corrected Fixed 3.6mm & 2.8-12mm Motorized Varifocal Lens Options with 1 click focus for easy Configuration
- Optional 35 Dynamic Infrared LEDs at 850nm enable viewing in total darkness up to 120 feet
- XD-DNR (2D-DNR + 3D-DNR) Noise Reduction
- True Day/Night by ICR Dual Filter Switch
- Triple Streaming (H.264/MJPEG) offering Extensive Integration Possibilities
- Real-time Lens Distortion Correction (LDC) for an optically correct picture
- · Compliance with the latest Onvif Profile S
- · On-board network security with IP address filtering
- · Advanced OSD Features including Image Stabilization & Corridor Mode
- MicroSD memory card slot for Local recording supporting up to 128GB MicroSDXC cards
- Ultra Versatile Design with Infinity Ball Mount for Any Viewing Angle
- Can be Flush or Surface mounted and Fits Perfectly in 4S (indoor domes) & 4-11 (vandal domes) Backboxes
- Outdoor Vandal Resistant Versions Feature Fully Gasket Sealed with an IP-68 Water tight NEMA Rating & Optional Extreme Cold (-60°F) Temperature Kits
- · Optional Mounts Available
- Available in Ivory or Black
- 12VDC & PoE (Power over Ethernet) Operation





Safety Precaution

- To prevent fire or shock hazard, do not expose the unit to rain or moisture.
- To prevent electric shocks and risk of fire hazards, do NOT use other than specific 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 electric shock to persons.



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 his 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.

Mains power quality should be that of a typical commercial environment. If the user of the model requires continued operation during power mains interruptions, it is recommended that the model be powered from an uninterruptible power supply (UPS) or a battery.

Package Contents



Torx Wrench (Outdoor Vandal Versions Only)

Type #: T20 Length: 63mm / Diameter: 4mm Qty: 1



Phillips head Screws (Outdoor Vandal Versions Only)

For attaching the dome cover to the flush housing.
Type #: Phillips head M4x10
Length: 10mm / Diameter: 4mm
Qty: 4



Self Tapping Screws

For attaching the surface mount housing or the the flush mount base to a solid surface.

Type #: Phillips St4x30
Length: 30mm / Diameter: 4mm

Otv:4



Self Tapping Screws - (Indoor Version Only)

For attaching the dome cover to the flush housing.

Type #: Phillips St4x12
Length: 12mm / Diameter: 4mm
Qty: 4



Plastic Anchors

If necessary, use the to help secure the self tapping screws. Length: 30mm / Diameter: 7mm Qtv: 4



Mounting Template

Qty: 1



RJ45 Coupler

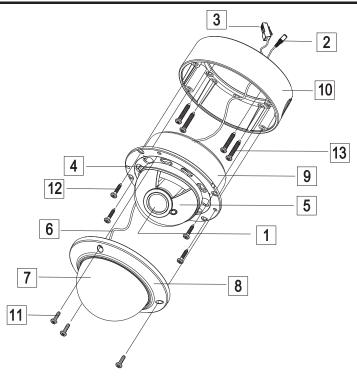
Qty: 1



Installation CD

Qty: 1

Part Names



- 1) Lens
- 2) 12VDC Power Input Connector (Not for use with PoE)
- 3) RJ45 Ethernet Connector
- 4) Camera Holder
- 5) Ball with the Camera Assembly
- 6) Safety Wire
- 7) Bubble

- 8) Dome Cover Ring
- 9) Flush Mount Base
- 10) Surface Mount Base
- **11)** Assembly Screws Torx M4x9 (Vandalproof)
- **12)** Assembly Screws Phillips ST4x12 (Indoor) / Phillips M4x10 (Outdoor Vandalproof IR)
- 13) Mounting Screws Phillips ST4x30

Installation Instructions

1) Remove Dome Cover

Use the provided Torx wrench to unscrew the vandal proof screws and remove the dome cover.

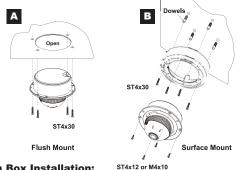
2) Choose Installation Method:

A) Flush Mount Installation:

Using four St4x30 screws, attach the flush mount base to a sturdy surface. Optional flush mount decorator plate. Model: VT-MD-FMP

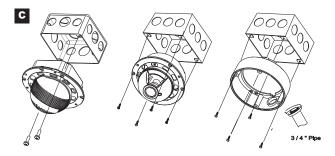
B) Surface Mount Installation:

Drill pilot holes at the mounting location using the provided mounting template. Using four St4x30 screws, mount the surface mount housing to a sturdy surface. Using four ST4x12 (Indoor) screws or M4x10 (Vandal-proof) screws, attach the flush mount base to the surface mount housing.



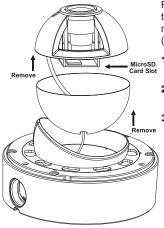
C) Junction Box Installation:

Mighty Domes can easily be flush or surface mounted to an electrical junction box (4S J-Box) using the pre-drilled mounting holes on either the surface mount housing or the the flush mount base.



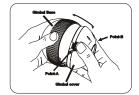
Installation Instructions

MicroSD Card Installation



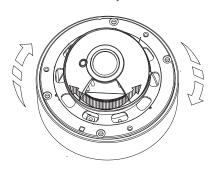
For recording directly on the camera you will need to install a MicroSD card, this will allow you to record video directly on-board the camera. (Class 10 MicroSD cards recommended)

- 1) Remove the ball gimbal from the socket, and hold the base firmly with one hand.
- **2)** Gently pull away from the gimbal base until the gimbal cover is removed from the base.
- **3)** The MicroSD memory card slot is located below the camera board.



Gimbal Adjustment

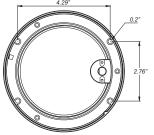
The Gimbal mechanism yields maximum rotation and placement as shown below.

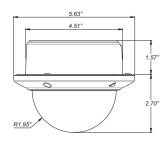




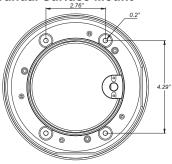
Installation Instructions

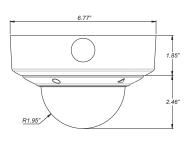
Flush Mount



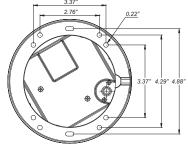


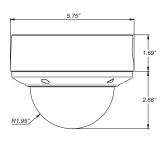
Vandal Surface Mount





Indoor Surface Mount





Detailed Specifications	VTD-M30F3NP
Sensor	Sony 1/2.8" Progressive Scan CMOS Sensor
Resolution	3.15 MegaPixel (2048x1536)
Video Encoding	H.264 / MJPEG
Video Output	Ethernet (RJ45)
Frame Rate	30fps max
Dynamic Intensity IR LEDs	N/A
IR Range	N/A
Lens	3.6mm Fixed Lens
Corridor Format	90° / 270°
Minimum Illumination	0.15 lux (Color) / 0.03 lux (B/W)
Day/Night	Auto True Day/Night (TDN)
Noise Reduction	XD-DNR (2D-DNR+3D-DNR)
WDR	Digital WDR (ATR-EX)
Advanced OSD Functions	Privacy Mask, Motion Detection, Tamper, Defog, D-Zoom, HLC/ BLC, LDC (Lens
	Distortion Correction), Mirror/Flip, Hue, Brightness, Contrast, Saturation, Sharpness
Memory Card	MicroSD - up to 128GB
Video Streaming	Simultaneous H.264 and MJPEG (Triple Streaming)
Audio	N/A
Security	Multi User Authority, IP Filtering, HTTPS
Weather Resistance Rating	N/A
Input Voltage	12VDC / PoE
Power Consumption (12VDC)	150mA
Power Consumption (PoE)	5.9 Watts
Operating Conditions	14°-122°F (-10°-50°C) < 80% RH
Dimensions (W x H x D)	4.45" x 5.71" (113mm x 145mm)
Weight	1lb (.46Kg)

Detailed Specifications	VTD-M30FR3NP
Sensor	Sony 1/2.8" Progressive Scan CMOS Sensor
Resolution	3.15 MegaPixel (2048x1536)
Video Encoding	H.264 / MJPEG
Video Output	Ethernet (RJ45)
Frame Rate	30fps max
Dynamic Intensity IR LEDs	35 850nm IR LEDs
IR Range	120'
Lens	3.6mm Fixed Lens
Corridor Format	90° / 270°
Minimum Illumination	IR OFF: 0.15 lux (Color) / 0.03 lux (B/W) / IR ON: 0.00 lux
Day/Night	Auto True Day/Night (TDN)
Noise Reduction	XD-DNR (2D-DNR+3D-DNR)
WDR	Digital WDR (ATR-EX)
Advanced OSD Functions	Privacy Mask, Motion Detection, Tamper, Defog, D-Zoom, HLC/ BLC, LDC (Lens
	Distortion Correction), Mirror/Flip, Hue, Brightness, Contrast, Saturation, Sharpness
Memory Card	MicroSD - up to 128GB
Video Streaming	Simultaneous H.264 and MJPEG (Triple Streaming)
Audio	N/A
Security	Multi User Authority, IP Filtering, HTTPS
Weather Resistance Rating	N/A
Input Voltage	12VDC / PoE
Power Consumption (12VDC)	150mA (IR Off) / 300mA (IR On)
Power Consumption (PoE)	5.9 Watts
Operating Conditions	14°-122°F (-10°-50°C) < 80% RH
Dimensions (W x H x D)	4.45" x 5.71" (113mm x 145mm)
Weight	1lb (.46Kg)

Detailed Specifications	VTD-M30V212NP
Sensor	Sony 1/2.8" Progressive Scan CMOS Sensor
Resolution	3.15 MegaPixel (2048x1536)
Video Encoding	H.264 / MJPEG
Video Output	Ethernet (RJ45)
Frame Rate	30fps max
Dynamic Intensity IR LEDs	N/A
IR Range	N/A
Lens	2.8-12mm Motorized Varifocal Lens with 1 click focus for easy Configuration
Corridor Format	90° / 270°
Minimum Illumination	0.15 lux (Color) / 0.03 lux (B/W)
Day/Night	Auto True Day/Night (TDN)
Noise Reduction	XD-DNR (2D-DNR+3D-DNR)
WDR	Digital WDR (ATR-EX)
Advanced OSD Functions	Privacy Mask, Motion Detection, Tamper, Defog, D-Zoom, HLC/ BLC, LDC (Lens
	Distortion Correction), Mirror/Flip, Hue, Brightness, Contrast, Saturation, Sharpness
Memory Card	MicroSD - up to 128GB
Video Streaming	Simultaneous H.264 and MJPEG (Triple Streaming)
Audio	N/A
Security	Multi User Authority, IP Filtering, HTTPS
Weather Resistance Rating	N/A
Input Voltage	12VDC / PoE
Power Consumption (12VDC)	250mA
Power Consumption (PoE)	5.9 Watts
Operating Conditions	14°-122°F (-10°-50°C) < 80% RH
Dimensions (W x H x D)	4.45" x 5.71" (113mm x 145mm)
Weight	1lb (.46Kg)

Detailed Specifications	VTD-M30VR212NP
Sensor	Sony 1/2.8" Progressive Scan CMOS Sensor
Resolution	3.15 MegaPixel (2048x1536)
Video Encoding	H.264 / MJPEG
Video Output	Ethernet (RJ45)
Frame Rate	30fps max
Dynamic Intensity IR LEDs	35 850nm IR LEDs
IR Range	120'
Lens	2.8-12mm Motorized Varifocal Lens with 1 click focus for easy Configuration
Corridor Format	90° / 270°
Minimum Illumination	IR OFF: 0.15 lux (Color) / 0.03 lux (B/W) / IR ON: 0.00 lux
Day/Night	Auto True Day/Night (TDN)
Noise Reduction	XD-DNR (2D-DNR+3D-DNR)
WDR	Digital WDR (ATR-EX)
Advanced OSD Functions	Privacy Mask, Motion Detection, Tamper, Defog, D-Zoom, HLC/ BLC, LDC (Lens
	Distortion Correction), Mirror/Flip, Hue, Brightness, Contrast, Saturation, Sharpness
Memory Card	MicroSD - up to 128GB
Video Streaming	Simultaneous H.264 and MJPEG (Triple Streaming)
Audio	N/A
Security	Multi User Authority, IP Filtering, HTTPS
Weather Resistance Rating	N/A
Input Voltage	12VDC / PoE
Power Consumption (12VDC)	250mA (IR Off) / 500mA (IR On)
Power Consumption (PoE)	5.9 Watts
Operating Conditions	14°-122°F (-10°-50°C) < 80% RH
Dimensions (W x H x D)	4.45" x 5.71" (113mm x 145mm)
Weight	1lb (.46Kg)

Detailed Specifications	VTD-MV30V212NP
Sensor	Sony 1/2.8" Progressive Scan CMOS Sensor
Resolution	3.15 MegaPixel (2048x1536)
Video Encoding	H.264 / MJPEG
Video Output	Ethernet (RJ45)
Frame Rate	30fps max
Dynamic Intensity IR LEDs	N/A
IR Range	N/A
Lens	2.8-12mm Motorized Varifocal Lens with 1 click focus for easy Configuration
Corridor Format	90° / 270°
Minimum Illumination	0.15 lux (Color) / 0.03 lux (B/W)
Day/Night	Auto True Day/Night (TDN)
Noise Reduction	XD-DNR (2D-DNR+3D-DNR)
WDR	Digital WDR (ATR-EX)
Advanced OSD Functions	Privacy Mask, Motion Detection, Tamper, Defog, D-Zoom, HLC/ BLC, LDC (Lens
	Distortion Correction), Mirror/Flip, Hue, Brightness, Contrast, Saturation, Sharpness
Memory Card	MicroSD - up to 128GB
Video Streaming	Simultaneous H.264 and MJPEG (Triple Streaming)
Audio	N/A
Security	Multi User Authority, IP Filtering, HTTPS
Weather Resistance Rating	IP-68
Input Voltage	12VDC / PoE
Power Consumption (12VDC)	250mA
Power Consumption (PoE)	5.9 Watts
Operating Conditions	14°-122°F (-10°-50°C) < 80% RH
Dimensions (W x H x D)	4.45" x 6.73" (110mm x 170mm)
Weight	2.3lb (1043g)

Detailed Specifications	VTD-MV30VR212NP
Sensor	Sony 1/2.8" Progressive Scan CMOS Sensor
Resolution	3.15 MegaPixel (2048x1536)
Video Encoding	H.264 / MJPEG
Video Output	Ethernet (RJ45)
Frame Rate	30fps max
Dynamic Intensity IR LEDs	35 850nm IR LEDs
IR Range	120'
Lens	2.8-12mm Motorized Varifocal Lens with 1 click focus for easy Configuration
Corridor Format	90° / 270°
Minimum Illumination	IR OFF: 0.15 lux (Color) / 0.03 lux (B/W) / IR ON: 0.00 lux
Day/Night	Auto True Day/Night (TDN)
Noise Reduction	XD-DNR (2D-DNR+3D-DNR)
WDR	Digital WDR (ATR-EX)
Advanced OSD Functions	Privacy Mask, Motion Detection, Tamper, Defog, D-Zoom, HLC/ BLC, LDC (Lens
	Distortion Correction), Mirror/Flip, Hue, Brightness, Contrast, Saturation, Sharpness
Memory Card	MicroSD - up to 128GB
Video Streaming	Simultaneous H.264 and MJPEG (Triple Streaming)
Audio	N/A
Security	Multi User Authority, IP Filtering, HTTPS
Weather Resistance Rating	IP-68
Input Voltage	12VDC / PoE
Power Consumption (12VDC)	250mA (IR Off) / 500mA (IR On)
Power Consumption (PoE)	5.9 Watts
Operating Conditions	14°-122°F (-10°-50°C) < 80% RH
Dimensions (W x H x D)	4.45" x 6.73" (110mm x 170mm)
Weight	2.3lb (1043g)

CONSIDER THESE OTHER GREAT PRODUCTS FROM







VT-NV Series On Cue Series 4, 8, 16 and 32 Stand-Alone Real-time 1080p HD-SDI Network Video Recorders

- 4, 8, 16, or 32 Channel Stand-alone Real-time IP Network Video Recorders
- Full HD (720/1080p) Real-time recording, live display, and playback
- Panorama (Thumbnail) Search
- HDMI, VGA, and BNC Outputs
- H.264 & MPEG4 Dual Streaming Compression Method
- Plug and Play & Auto confi guration for ONVIF compliant and many leading IP Camera models
- P2P (Peer to Peer) camera connection supported by internal Hub
- Auto Port Forwarding supported by uPnP (VT-NVS Series)
- Health monitoring: Temperature, Fan speed, HDD S.M.A.R.T
- · Alarm In/Out
- Per channel Image Adjustment
- Internal 8-Port PoE Switch (VT-NVP Series) / Internal 4-Port PoE Switch (VT-NVS Series)
- 1 Gigabit LAN Port / 1 Gigabit WAN Port
- Video Analytics with Search Feature (Camera dependent)
- Linear Digital zoom / Automatic sequencing / Freezing
- Quadplex (Live / Record / playback / network)
- Remote Viewing via CMS Software, Internet Explorer, and Mobile Phones (iOS/Android)
- Web-based remote confi guration
- Supports up to 24GB Internal Storage (6x4TB)
- eSATA for storage extension of up to 5 more HDD
- Bidirectional Audio Support
- Dual Recording and/or RAID 5 for data integrity
- RS485 Communication port

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.

