



Mighty Dome **Color Dome Camera Series**



- 480 and 550 TV Line versions
- True Day/Night function available
- Flush or Surface Mount
- UTP interface, IP Integration, and Heater / Blower Options Available
- Dual Voltage 12VDC & 24VAC
- Infinity Ball Mount for Any Viewing Angle
- Indoor and Vandal Proof IP 68 Rated Models Available
- Lens options include: 2.9-10mm & 9-22mm
- Available in off white or black color

VITEK

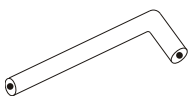
BOX CONTENTS

1) Dome Camera

2) Mounting Accessories

3) Instruction Manual & Mounting Template

MOUNTING ACCESSORIES

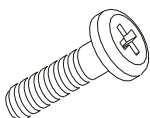


Torx Wrench - (Vandal & IR Versions Only)

Type #: T20

Length: 63mm / Diameter: 4mm

Qty: 1



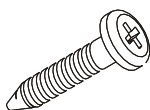
Phillips head Screws - (Vandal & IR Versions Only)

For attaching the dome cover to the flush housing.

Type #: Phillips head M4x10

Length: 10mm / Diameter: 4mm

Qty: 4



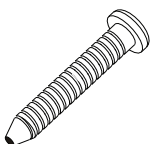
Self Tapping Screws

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

Type #: Phillips St4x30

Length: 30mm / Diameter: 4mm

Qty:4



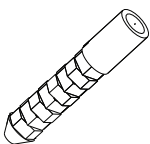
Self Tapping Screws - (Indoor Version Only)

For attaching the dome cover to the flush housing.

Type #: Phillips St4x12

Length: 12mm / Diameter: 4mm

Qty: 4



Dowels

If necessary, use the to help secure the self tapping screws.

Length: 30mm / Diameter: 7mm

Qty: 4

AVAILABLE MODELS / ACCESSORIES

INDOOR MIGHTY DOME CONFIGURATIONS:

VTD-MH2910 / MH922: Indoor Color Dome Camera w/2.9-10mm or 9-22mm Varifocal Lens & 480TVL

VTD-MX2910 / MX922: Indoor Color Dome Camera w/2.9-10mm or 9-22mm Varifocal Lens & 550TVL

IR MIGHTY DOME CONFIGURATIONS:

VTD-MVH2910/L35 / MVH922/L35: Vandal Proof Color Dome Camera w/2.9-10mm or 9-22mm Varifocal Lens, 480TVL & 35 IR LED's

VTD-MVX2910/L35 / MVX922/L35: Vandal Proof Color Dome Camera w/2.9-10mm or 9-22mm Varifocal Lens, 550TVL & 35 IR LED's

VANDAL-PROOF MIGHTY DOME CONFIGURATIONS:

VTD-MVH2910 / MVH922: Vandal Proof Color Dome Camera w/2.9-10mm or 9-22mm Varifocal Lens & 480TVL

VTD-MVH2910DN / MVH922DN: True Day/Night Vandal Proof Color Dome Camera w/2.9-10mm or 9-22mm Varifocal Lens & 480TVL

VTD-MVX2910 / MVX922: Vandal Proof Color Dome Camera w/2.9-10mm or 9-22mm Varifocal Lens & 550TVL

VTD-MVX2910DN / MVX922DN: True Day/Night Vandal Proof Color Dome Camera w/2.9-10mm or 9-22mm Varifocal Lens & 550TVL

WDR MIGHTY DOME CONFIGURATIONS:

VTD-MX2910/922/1850-WDR: Indoor Color Dome Camera w/550 TV Lines and 2.9-10mm, 9-22mm, or 18-50mm Lens

VTD-MVX2910/922/1850-WDR: Vandal Proof Color Dome Camera w/550 TV Lines and 2.9-10mm, 9-22mm, or 18-50mm Lens

Optional Mounts & Accessories:

VT-MD-2VOC: Secondary Video Output Cable for Mighty Domes

Heater/Blower Option: Heater/Blower Option for Mighty Domes

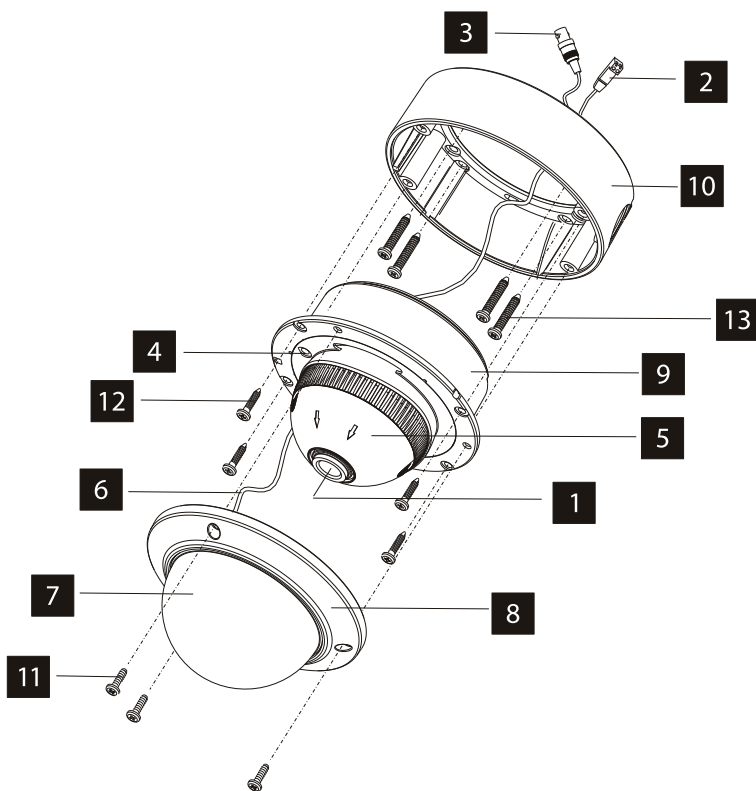
UTP Option: UTP Option for Mighty Domes

IP Module: IP Option for Mighty Domes

VT-MD/WMT: Mighty Dome Wall Mount

VT-MD/CMT: Mighty Dome Pedestal Ceiling Mount

MIGHTY DOME LAYOUT



- | | |
|--|---|
| 1) Lens | 8) Dome Cover Ring |
| 2) Power Input Connector(12VDC / 24VAC) | 9) Flush Mount Base |
| 3) Video Output Connector - BNC | 10) Surface Mount Plate |
| 4) Camera Holder and 2nd Video output | 11) Assembly Screws - Torx M4x9 (Vandalproof) |
| 5) Ball with the Camera Assembly | 12) Assembly Screws - Phillips ST4x12 (Indoor) / Phillips M4x10 (Vandalproof / IR) |
| 6) Safety Wire | 13) Mounting Screws - Phillips ST4x30 |
| 7) Bubble | |

INSTALLATION

1) Dome Cover

1.1 *Vandal Proof Domes* - Use the provided Torx wrench to unscrew the vandal proof screws and remove the dome cover.

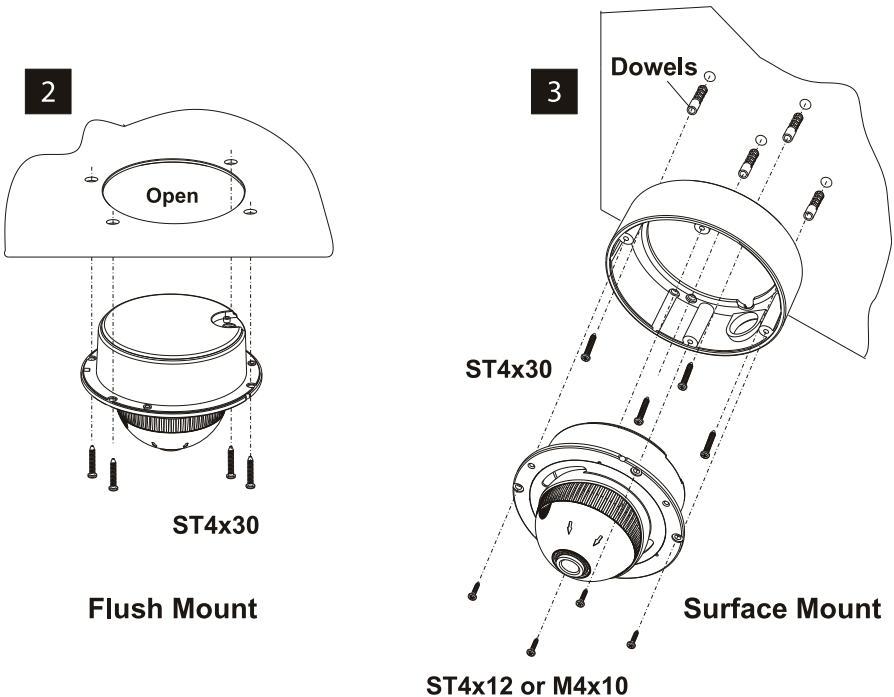
1.2 *Indoor Domes* - Turn the dome cover to the left to remove the dome cover.

2) Flush Mount Installation:

Using four ST4x30 screws, attach the flush mount base to a sturdy surface.

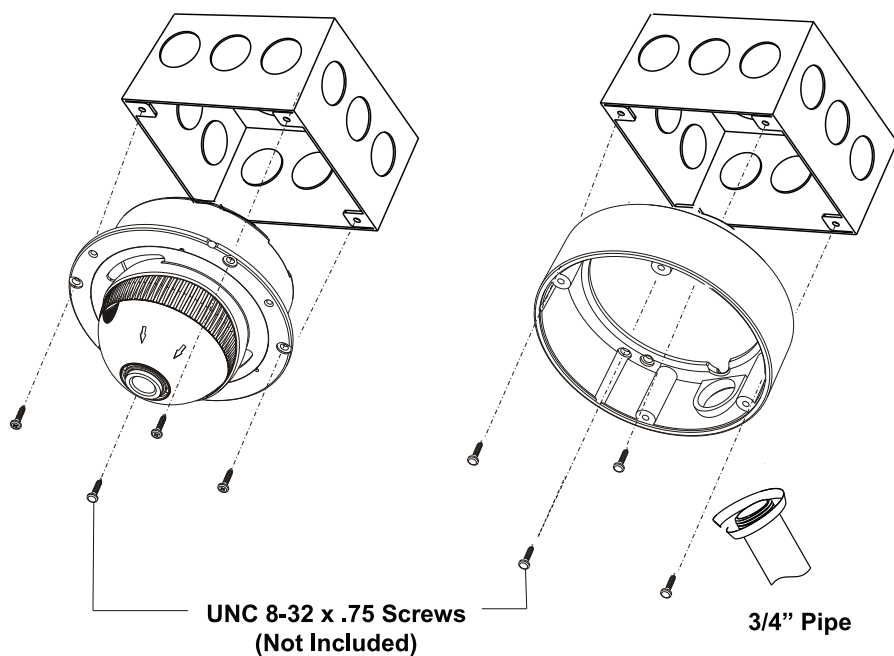
3) Surface Mount Installation:

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.



JUNCTION BOX INSTALLATION

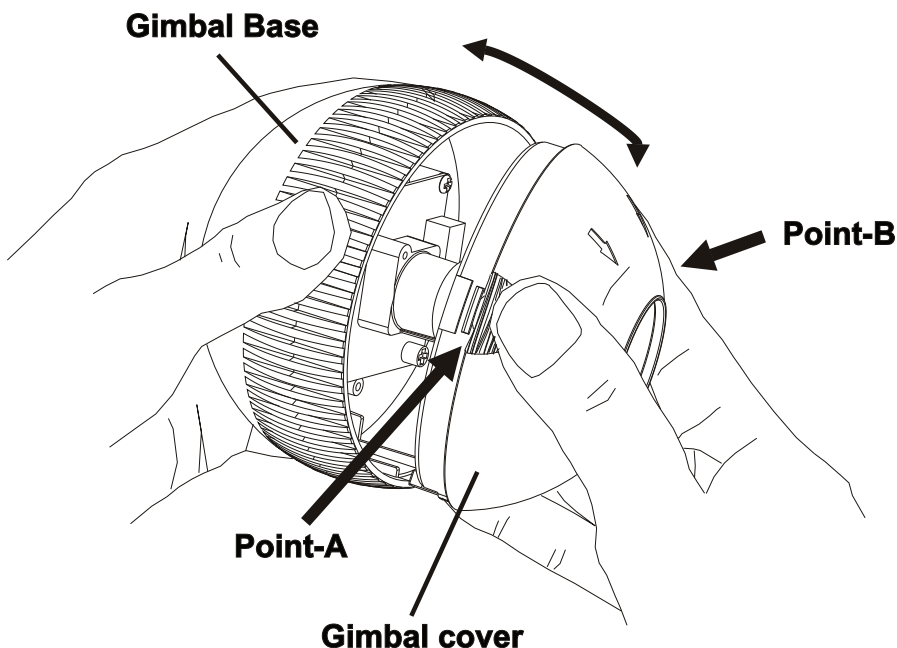
Mighty Domes can easily be flush or surface mounted to an electrical junction box (J-Box) using the pre-drilled mounting holes on either the surface mount housing or the the flush mount base.



OPEN GIMBAL COVER

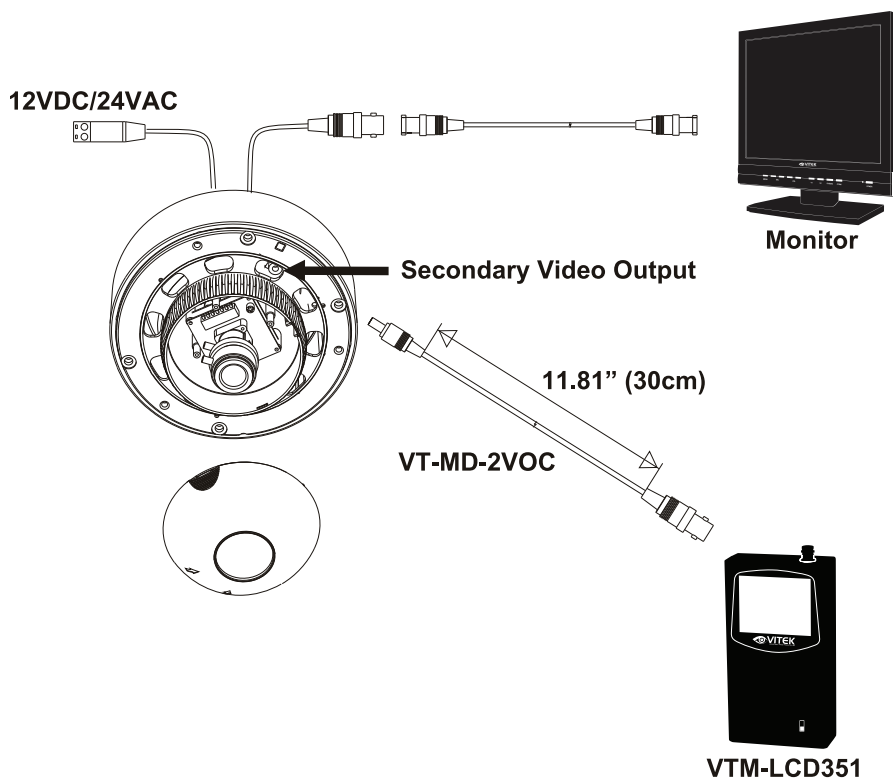
To adjust the zoom and the focus, the gimbal needs to be removed temporarily from its base.

- 1) Remove the ball gimbal from its socket, and hold the base firmly with one hand.
- 2) Gently squeeze Point A and B and pull away from the base until the gimbal is removed from the base.
- 3) Replace the Gimbal cover by aligning the cover to the base and pressing down until it snaps back onto the base.



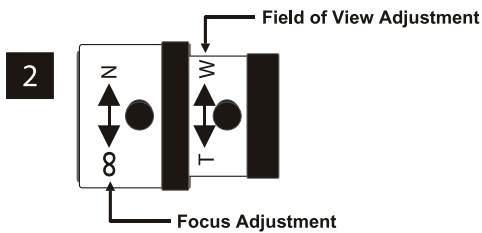
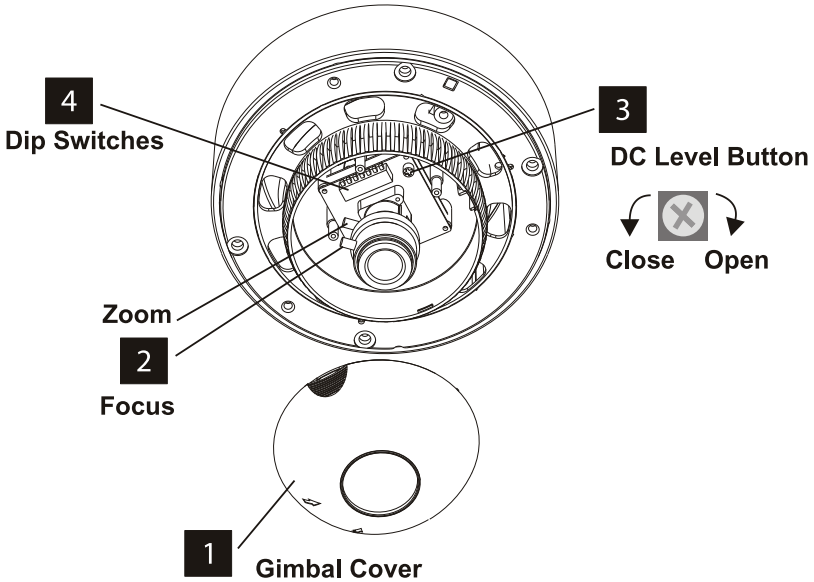
CONNECTIONS

- Power connection: 12VDC and 24VAC dual input.
- All Mighty Dome cameras come standard with a secondary video output. Please contact your distributor or the VITEK Sales Department for availability of the optional secondary video cable (VT-MD-2VOC).



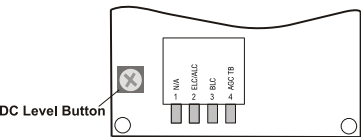
LENS ADJUSTMENT

- 1) Remove the Gimbal cover from the Gimbal base.
- 2) Loosen Zoom & Focus screws and make necessary adjustments as shown.
Field of view: Telephoto(T) to Wide(W)
Focus: Near(N) to infinity(∞)
- 3) DC Level: Adjust left or right if the picture is too dark.
- 4) Dip Switches. See Page 9
- 5) Reattach the gimbal cover to the gimbal base.

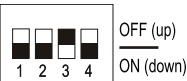


DIP SWITCH ADJUSTMENTS

Indoor & Vandal-Proof Mighty Domes (Non-Day/Night):

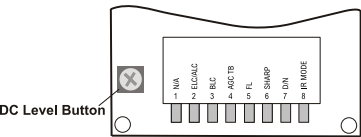


Factory Default:

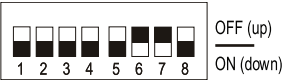


| Function | | OFF | ON |
|----------|--------------------------|---------------|-----------|
| 1 | N/A | | |
| 2 | ELC/ALC | ALC | ELC |
| 3 | Back Light Control (BLC) | Off | On |
| 4 | Auto Gain Control (AGC) | Normal | Turbo |

Day/Night & IR Mighty Domes:



Factory Default:

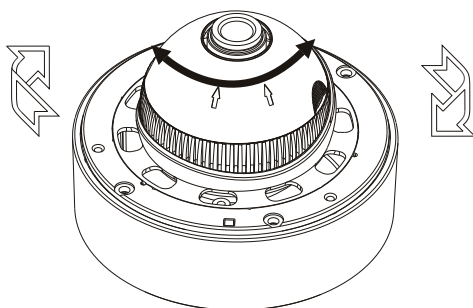


| Function | | OFF | ON |
|----------|--------------------------|---------------|--------------|
| 1 | N/A | | |
| 2 | ELC/ALC | ALC | ELC |
| 3 | Back Light Control (BLC) | Off | On |
| 4 | Auto Gain Control (AGC) | Normal | Turbo |
| 5 | Flickerless | Off | On |
| 6 | Sharpness | Normal | Sharp |
| 7 | Day/Night | Day | Auto |
| 8 | IR Mode (IR Model Only) | Off | On |

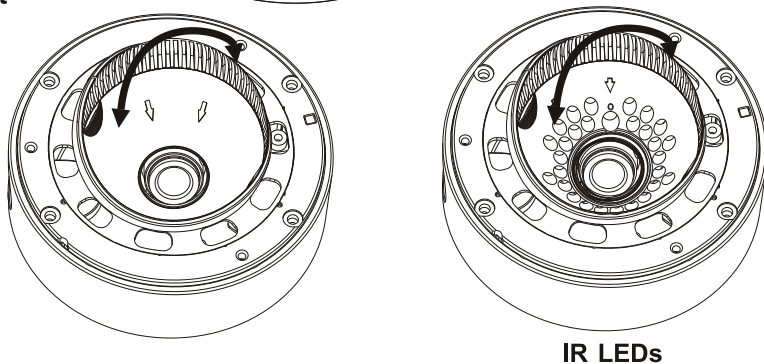
3-AXIS GIMBAL ADJUSTMENT

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

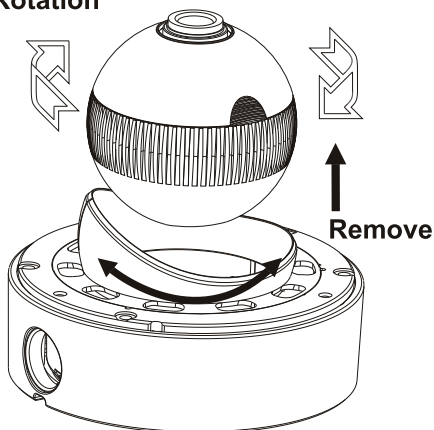
1 Pan



2 Tilt



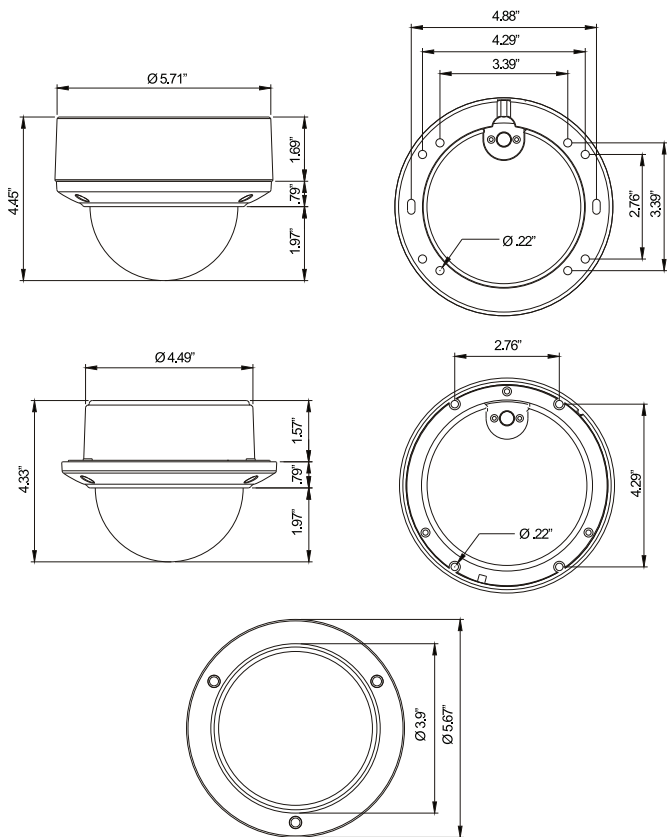
3 Horizontal Rotation



HEATER / BLOWER SPECIFICATIONS

| Specifications | |
|-------------------|------------------------------|
| Power Supply | 24 VAC |
| Power Consumption | 10W (Heater) / .7W (Blower) |
| Heater | On: at 41°F / Off at 59°F |
| Blower | Continuous 24 Hour Operation |

EXTERNAL DIMENSIONS



INDOOR MIGHTY DOME SPECIFICATIONS

| Specifications | VTD-MH | VTD-MX |
|-----------------------|---|--------------|
| Image Sensor | 1/3" Super HAD CCD | |
| Sync System | Internal | |
| Scanning system | 2:1 Interlace | |
| Lens Options | 2.9-10mm or 9-22mm | |
| Horizontal Resolution | 480 TV Lines | 550 TV Lines |
| Min. Illumination | 0.2Lux (F1.2@40IRE) | |
| S/N Ratio | More than 52dB AGC OFF at 50IRE | |
| Video Output | 1.0Vp-p composite, 75 Ohms | |
| Effective Pixels | 768(H) x 494(V) | |
| Electronic Shutter | 1/60 ~ 1/100,000 | |
| White Balance | 2000~8000 K Automatic Tracking | |
| Operating Temperature | 14F ~ 122F (-10C ~ +50C) | |
| Operating Humidity | Within 85% RH | |
| Power Consumption | 3 Watts | |
| Power Requirement | 12VDC/24VAC Dual Voltage (500 mA Minimum) | |
| Dimensions (H x Dia.) | 4.45" x 5.71" (113mm x 145mm) | |

VANDAL MIGHTY DOME SPECIFICATIONS

| Specifications | VTD-MVH | VTD-MVX | VTD-MVH(DN) | VTD-MVX(DN) |
|-----------------------|---|--------------|----------------------------------|--------------|
| Image Sensor | 1/3" Super HAD CCD | | 1/3"True Day/Night Super HAD CCD | |
| Sync System | Internal | | | |
| Scanning system | 2:1 Interlace | | | |
| Lens Options | 2.9-10mm or 9-22mm | | | |
| Horizontal Resolution | 480 TV Lines | 550 TV Lines | 480 TV Lines | 550 TV Lines |
| Min. Illumination | Day/Night: 0.02Lux (F1.2@40IRE) / Standard: 0.2Lux (F1.2@40IRE) | | | |
| S/N Ratio | More than 50dB AGC OFF at 50IRE | | | |
| Video Output | 1.0Vp-p composite, 75 Ohms | | | |
| Effective Pixels | 768(H) x 494(V) | | | |
| Electronic Shutter | 1/60 ~ 1/100,000 | | | |
| White Balance | 2000~8000 K Automatic Tracking | | | |
| Weatherproof | IP68 | | | |
| Operating Temperature | 14F ~ 122F (-10C ~ +50C) | | | |
| Operating Humidity | Within 85% RH | | | |
| Power Consumption | 3 Watts | | | |
| Power Requirement | 12VDC/24VAC Dual Voltage (500 mA Minimum) | | | |
| Dimensions (H x Dia.) | 4.45" x 5.71" (113mm x 145mm) | | | |

IR MIGHTY DOME SPECIFICATIONS

| Specifications | VTD-MVH (L35) | VTD-MVX (L35) |
|-----------------------|---|---------------|
| Image Sensor | 1/3" Super HAD CCD | |
| Sync System | Internal | |
| Scanning system | 2:1 Interlace | |
| Lens Options | 2.9-10mm or 9-22mm | |
| Horizontal Resolution | 480 TV Lines | 550 TV Lines |
| Min. Illumination | Day/Night: 0.02Lux (F1.2@40IRE) / Standard: 0.2Lux (F1.2@40IRE) | |
| S/N Ratio | More than 50dB AGC OFF at 50IRE | |
| Video Output | 1.0Vp-p composite, 75 Ohms | |
| Effective Pixels | 768(H) x 494(V) | |
| Electronic Shutter | 1/60 ~ 1/100,000 | |
| White Balance | 2000~8000 K Automatic Tracking | |
| IR LED's | 30 LED's with up to 90' Range | |
| Weatherproof | IP68 | |
| Operating Temperature | 14F ~ 122F (-10C ~ +50C) | |
| Operating Humidity | Within 85% RH | |
| Power Consumption | 3 Watts (IR LEDs Off) / 6 Watts (IR LEDs On) | |
| Power Requirement | 12VDC/24VAC Dual Voltage (1000 mA Minimum) | |
| Dimensions (H x Dia.) | 4.45" x 5.71" (113mm x 145mm) | |

WDR MIGHTY DOME SPECIFICATIONS

| Specifications | VTD-MX (WDR) | VTD-MVX (WDR) |
|-----------------------|--|---------------|
| Image Sensor | 1/3" RGB Color DPS SENSOR (Pixim Orca D1500 series) | |
| Gamma | 0.45 | |
| Sync System | Internal | |
| Scanning system | 2:1 Interlace | |
| Lens Options | 2.9-10mm / 9-22mm / 18-50mm | |
| Horizontal Resolution | 550 TV Lines | |
| Min. Illumination | 0.0002Lux with DSS + ICR Modes ON (F1.2 @ 40IRE) | |
| S/N Ratio | More than 50dB AGC OFF at 50IRE | |
| Video Output | 1.0Vp-p composite, 75 Ohms | |
| Effective Pixels | 768(H) x 494(V) | |
| Electronic Shutter | 1/60 ~ 1/100,000 | |
| White Balance | 2000~11000°K Automatic tracking | |
| WDR Mode | 4 presets (Low / Middle / High / Custom) | |
| Auto Iris Control | DC drive iris control. Level control is fixed internally | |
| Slow shutter | 2X, 4X, 8X, 16X, 32X ESS | |
| BLC Zone | 4 areas (CTR SPOT, UPPER 1/3, MIDDLE 1/3, LOWER 1/3) | |
| Presets | NORMAL, INDOOR, OUTDOOR, FL-LIGHT, LOBBY, WAREHOUSE | |
| Flicker reduction | Yes | |
| OSD | Yes (Setup menu only) | |
| Weatherproof | IP68 (Outdoor Versions) | |
| Operating Temperature | 14F ~ 122F (-10C ~ +50C) | |
| Operating Humidity | Within 85% RH | |
| Power Consumption | 3 Watts | |
| Power Requirement | 12VDC/24VAC Dual Voltage (500 mA Minimum) | |
| Dimensions (H x Dia.) | 4.45" x 5.71" (113mm x 145mm) | |

Appendix: WDR Mighty Dome

With CMOS image sensor,

- Provides the best quality image without any blooming or vertical smear even under the spot light.

With Pixim's DPS technology,

- Offers unparalleled image quality across all lighting conditions especially in high-contrast environments such as indoor and outdoor elements combined in the same field of view, or other extreme bright & dark lighting elements combined in the same image.
- Delivers natural color
- Offers high resolution of 540TVL
- Eliminates compromising image noise by blooming or vertical smear
- Eliminates color rolling of the NTSC system by line-lock synchronization (AC24V version)
- Offers on-screen menu

With ICR mechanism,

- Enhances sensitivity about 10x at night time
- Can accept infrared light

With 24VAC/12VDC dual power design,

- Offers flexibility in installation
- Ensures reliability

Main features are;

- 1/3" RGB Color DPS SENSOR (Pixim Orca D1500series)
- All adjustments by OSD menu
- Resolution of 540 Horizontal Lines
- 10x sensitivity enhancement by removing the optical filter
- Switches to B/W and able to accept the infrared spectrum at night mode
- Enhanced sharpness compensation
- Very low noise and superior picture quality
- Sensitivity of 0.0002Lux (B&W)
- Automatically removable IR Cut Filter
- Automatic White Balance (ATW)
- Support DC auto iris lens
- Supply voltage: 12Vdc/24Vac Dual voltage

Appendix: WDR Mighty Dome


WDR SETUP Menu

1) In the menu

Use ,  buttons to move menu, ,  buttons to change the settings and press  button short to select or enter.

 button stands for MENU or ENTER button.

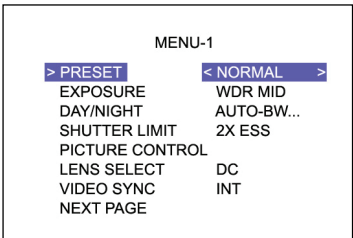
2) Entering menu

Press  button longer than 2 sec on the back of camera.

3) PRESET menu

PRESET menu is provided to help the settings with the possible parameters obtained and assumed by the factory tests for the most common environments.

***“PRESETs may not be the best optimized settings for the actual installations.
In such cases, find the optimal settings in CUSTOM setting of EXPOSURE menu”***



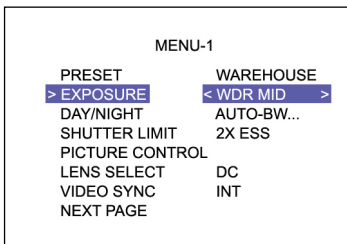
| PRESET | Descriptions |
|-----------|---|
| <NORMAL> | Produces an image that has average contrast and suitable for normal indoor or low-contrast outdoor scenes. |
| INDOOR | Provides better leveling of image for in the darker areas of the scene. Suitable for indoor scenes that have higher contrast lighting. |
| OUTDOOR | Optimized for outdoor sunlit applications and provides better leveling for the brighter areas. Suitable for outdoor scenes having high contrast between sunlit and shadows. |
| FL-LIGHT | Reduces the color rolling by fluorescent lights when line-lock is not available (NTSC). DC auto iris lens is required. Use Line-lock sync. With AC24V supply for the best result against the color rolling if possible. |
| LOBBY | Optimized for the common installation at lobby. |
| WAREHOUSE | Optimized for the common installation at warehouse |

Appendix: WDR Mighty Dome

4) EXPOSURE menu


EXPOSURE menu is provided to help the settings with the possible parameters obtained and Presets are configured by factory tests for most commonly encountered environments.

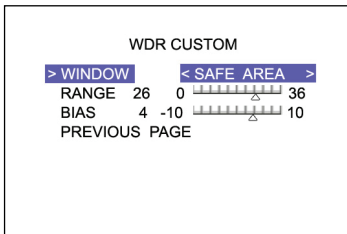
EXPOSURE presets may not be the best optimized settings for the actual installations. In such cases, find the optimal settings in CUSTOM setting of EXPOSURE menu



| EXPOSURE | Descriptions |
|-----------|--|
| <WDR MID> | Medium level of the dynamic range control for each PRESET. |
| WDR HIGH | Increases the dynamic range control. Some highlight area may be washed out. |
| CUSTOM... | Provides more flexible compensation other than WDR MID, WDR LOW, WDR HIGH |
| BLC... | Compensates the brightness of main object against the bright back light. A zone out of CTR SPOT, UPPER1/3, MIDDLE1/3, LOWER1/3 can be set. Dynamic range control is inoperative if EXPOSURE is set to BLC. |
| WDR LOW | Decreases the dynamic range control. |

5) CUSTOM menu

To enter CUSTOM menu, press  button at <CUSTOM . . . > of EXPOSURE menu.




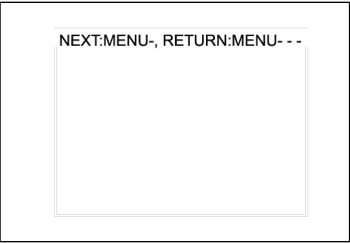
| WDR CUSTOM | Descriptions |
|------------|--|
| WINDOW | Metering of the dynamic control is weighted to the selected window from SAFE AREA ZONE ADJUST CENTER 1/3 AND LOWER 2/3 |






Appendix: WDR Mighty Dome

6) ZONE ADJ. Menu

Adjusts the size and the location of the metering zone for the dynamic range control. Dynamic range control is very sensitive to the size and the location of the zone. The default window size is SAFE AREA.


To enter ZONE ADJ menu, press  button at <ZONE ADJ . . .> of WDR CUSTOM menu.

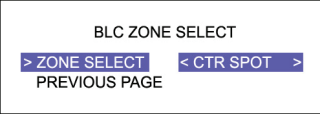


In ZONE ADJ menu, 'NEXT:MENU-' stands for 'press  button short for next menu' and 'RETURN:MENU---' means 'press  button longer than 2 sec for return or exit'. , ,  buttons are used for move, enlarge or reduce the zone.

White zone boundary moves the zone to locate it at the optimal position.
Green zone boundary enlarges the zone.
Red zone boundary reduces the zone.

7) BLC ZONE SELECT menu

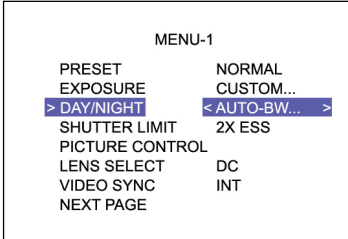
To enter BLC ZONE SELECT menu, press  button at <BLC . . .> of EXPOSURE menu.



Metering of the back lit compensation control is weighted to the selected window from CTR SPOT(1/9 of entire screen), UPPER 1/3, MIDDLE 1/3 and LOWER 1/3.

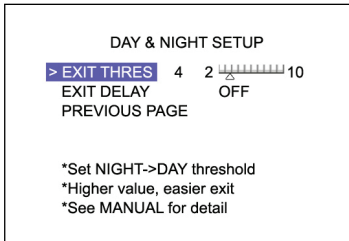
Appendix: WDR Mighty Dome

8) DAY / NIGHT menu



| DAY/NIGHT | Descriptions |
|-----------|--|
| <AUTO BW> | IR Cut filter is switched OUT/IN at night/day time automatically. At night mode, camera outputs the B/W video without the color burst signal. |
| OFF | IR Cut filter is stuck and is NOT switch OUT. |

9) DAY/NIGHT SETUP menu



IMPORTANT!!!

| DAY/NIGHT SETUP | Descriptions |
|-----------------|--|
| EXIT THRES | <p>IMPORTANT!!! DAY->NIGHT and NIGHT->DAY operations must be examined and verified at the final step of the installation because they may be affected by the settings such as the size or location of the metering window.</p> <p>Block the lens for a few seconds for NIGHT mode and release it to be returned to DAY mode. If camera stay at NIGHT mode more than 10sec, increase EXIT THRES and repeat the fore mentioned steps. If the scene is too dim, it may not be returned to DAY.</p> |
| EXIT DELAY | <p>If set to ON, camera insert 8~10sec delay for NIGHT to DAY transition. This is to avoid the unnecessary transitions between NIGHT and DAY by the short duration of light such as car lights</p> |


Appendix: WDR Mighty Dome

10) SHUTTER LIMIT menu

| MENU-1 | |
|-----------------|------------|
| PRESET | NORMAL |
| EXPOSURE | CUSTOM... |
| DAY/NIGHT | AUTO-BW... |
| > SHUTTER LIMIT | < 2X ESS > |
| PICTURE CONTROL | |
| LENS SELECT | DC |
| VIDEO SYNC | INT |
| NEXT PAGE | |

| SHUTTER LIMIT | Descriptions |
|------------------|--|
| <2X ESS > | The longest shutter is limited to 2X of 1/60(NTSC)/1/50(PAL) seconds when the scene illumination becomes dim. Video refresh rate at 2X ESS is 15(NTSC)/12.5(PAL)frames/sec. |
| 4X ESS ~ 32X ESS | The longest shutter is limited to 4X~32X of 1/60(NTSC)/1/50(PAL) sec when the scene illumination becomes dim. The higher integration increases the sensitivity but decreases the video refresh rate. |

11) WHITE BALANCE menu (in PICTURE CONTROL menu)


| PICTURE CONTROL | |
|-----------------|--|
| > WHITE BALANCE | < ATW Normal > |
| BRIGHTNESS | MID-LOW |
| DNR | OFF |
| SHARPNESS | MIDDLE |
| FLIP | OFF |
| COLOR SELECT | COLOR 3 |
| SATURATION 1 | -2  2 |
| PREVIOUS PAGE | |

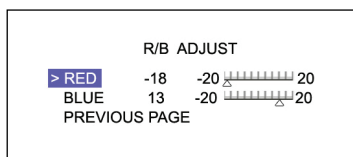
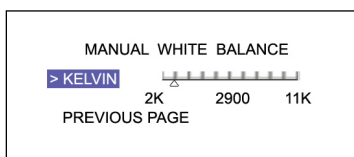
To enter PICTURE CONTROL sub-menu, press  button at PICTURE CONTROL of MENU-1.

| WHITE BALANCE | Descriptions |
|---------------|---|
| <ATW NORMAL> | White balance is compensated automatically in range of 2800K-7500K |
| ATW Desat | White balance is compensated automatically in range of 2000K-11000K. In the range of 2000-2800K and 7500-11000K, white balance is gradient-compensated. |
| ATW Xtn | White balance is compensated automatically in range of 2000K-11000K |
| MANUAL | White balance can be adjusted by either KELVIN or R/B. |

Appendix: WDR Mighty Dome

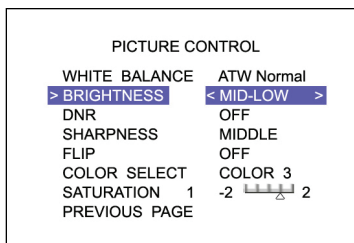
12) MANUAL WHITE BALANCE menu (in PICTURE CONTROL menu)

To enter MANUAL WHITE BALANCE menu, press  button at <MANUAL...> of WHITE BALANCE menu.



View plain white paper or a gray card and adjust either KELVIN or R/B so that the color on the monitor becomes the most white.

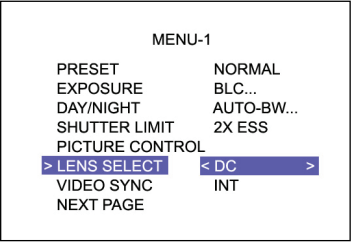
13) BRIGHTNESS, DNR, SHARPNESS, FLIP, COLOR SELECT and SATURATION menus (in PICTURE CONTROL menu)



| PICTURE CONTROL | Descriptions |
|-----------------|--|
| BRIGHTNESS | BRIGHTNESS level is a kind of video output gain and is different from the iris level control. It can be set to MID-LOW, MIDDLE, MID-HIGH, HIGH and LOW. If it is set too high, the dynamic range is decreased. |
| DNR | ON reduces the dynamic noise but effects video SHARPNESS. |
| SHARPNESS | MIDDLE, HIGH, MAX, LOW |
| FLIP | OFF provides the normal video. H-FLIP(V-FLIP) provides the horizontally(vertically) flipped video. H/V-FLIP provides the horizontally and vertically flipped video. |
| COLOR SELECT | Four sets of COLOR variance are provided. |
| SATURATION | Color saturation can be adjusted between -2 and +2. |

Appendix: WDR Mighty Dome

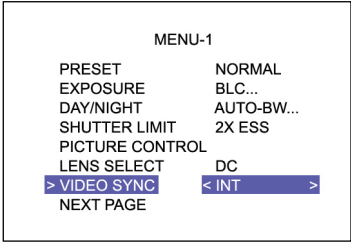
14) LENS SELECT menu



DC auto iris lens or MAUAL lens can be used for this camera but DC auto iris lens must be used in

FL-LIGHT and EFR presets and strongly recommended in other presets when the scene is very bright.

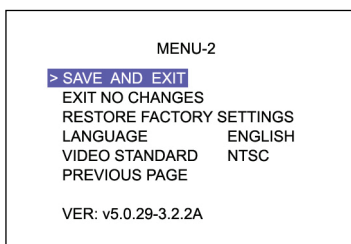
15) VIDEO SYNC menu



| VIDEO SYNC | Descriptions |
|------------|--|
| <INT > | Synchronization is INTERNAL regardless of the power source. |
| INT2 | Synchronization is INTERNAL but sync frequency is modified to simulate line-lock. It is not actually synchronized to the line frequency. |
| AUTO... | Synchronization mode is decided automatically by the power source. Line-lock for AC24V and Internal for DC12V |

Appendix: WDR Mighty Dome

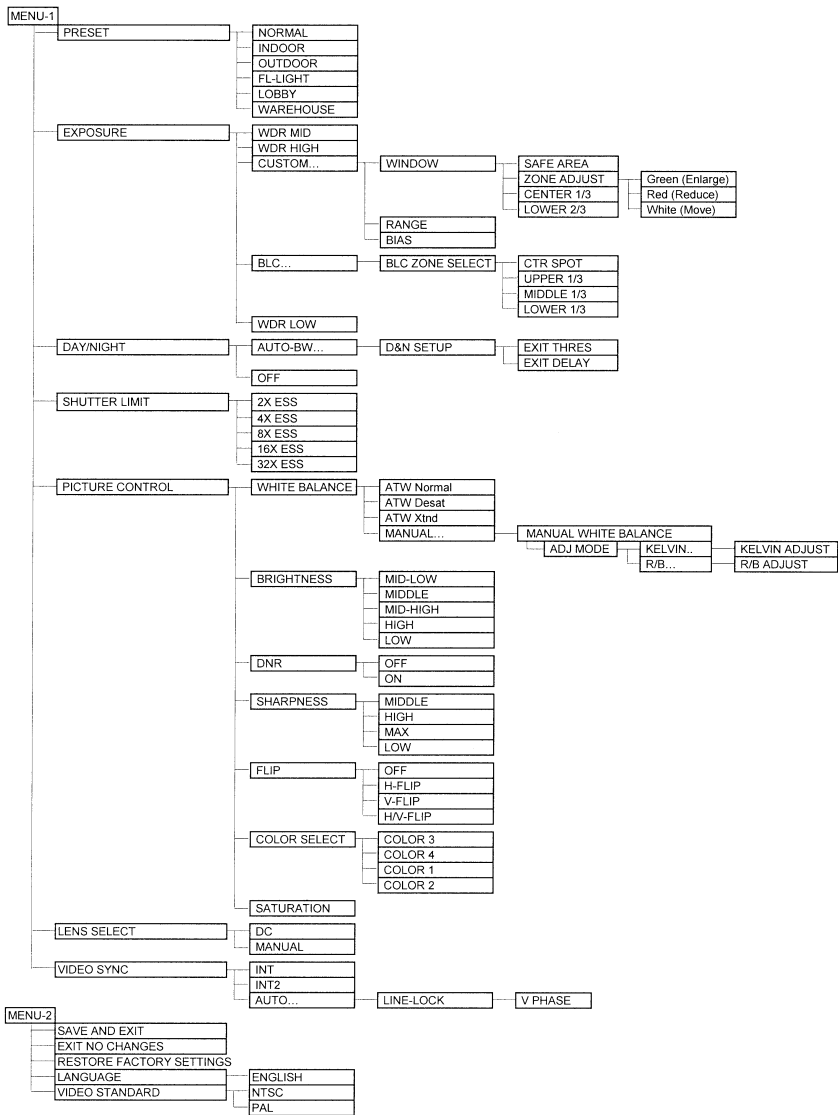
16) SAVE / RESTORE / EXIT menu



| MENU-2 | Descriptions |
|--------------------------|--|
| SAVE AND EXIT | Exits menu after saving the parameters. |
| EXIT NO CHANGES | Exits menu with discarding any changes. |
| RESTORE FACTORY SETTINGS | Restores and saves all parameters of factory settings. Camera resets and restarts automatically. |
| LANGUAGE | English is available only. Language does NOT change by RESTORE FACTORY SETTINGS. |
| VIDEO STANDARD | NTSC and PAL can be switched. VIDEO STANDARD does NOT change by RESTORE FACTORY SETTINGS |

Appendix: WDR Mighty Dome

17) Setup Menu Tree



NOTES

LIMITED LIABILITY WARRANTY

Your new Camera is guaranteed to be free from defects in materials and workmanship for a period of two years from the date of purchase.

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 then the guarantee will be considered null and void.

This guarantee does not affect your statutory rights.

Contact VITEK directly for all servicing.



28492 CONSTELLATION ROAD VALENCIA, CA 91355
WWW.VITEKCCTV.COM | 888-VITEK-70