



## Alpha Series Vandal WDR Dome Cameras



- 650 TV Lines of Resolution
- Hercules II DSP Engine
- 1/3" Sony SuperHAD II CCD
- 2.8~ 12mm IR Corrected DC Auto-Iris Lens
- Available with 35 IR LEDs (120' Range)
- Advanced OSD Functions: WDR, 3D DNR, DSS, DIS, Sens-up, Motion Detection, Privacy
- IP68 Waterproof Rated
- Secondary Video Output with Cable Included
- 3-Axis Mount for Optimum Viewing Angle
- Dual Voltage 12VDC/24VAC Operation

# VITEK

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## BOX CONTENTS

- 1) Alpha Dome Camera
- 2) Mounting Accessories
- 3) Secondary Video Output Cable
- 4) This instruction Manual & Mounting Template

## MOUNTING ACCESSORIES



### Self Tapping Screws

For attaching the housing base to a solid surface.

Type #: Phillips ST4x30

Qty: 4



### Secondary Video Output Cable

To be used with a service monitor for adjusting the angle, focus and zoom.

Qty: 1



### Torx Wrench

Type #: T20

Length: 63mm / Diameter: 4mm

Qty: 1



Hex Wrench

If necessary, use the wrench to help secure the surface mount.



Conduit Plug

Qty: 1

## AVAILABLE MODELS

### VTD-A2812/VW

Vandal Resistant High Resolution WDR Varifocal Dome Camera with White Base.

### VTD-A2812/VB

Vandal Resistant High Resolution WDR Varifocal Dome Camera with Black Base.

### VTD-AR2812/VW

Vandal Resistant High Resolution Infrared WDR Varifocal Dome Camera with White Base.

### VTD-AR2812/VB

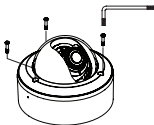
Vandal Resistant High Resolution Infrared WDR Varifocal Dome Camera with Black Base.

# VTD-A2812/V INSTALLATION

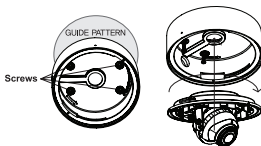
## INSTALLATION

### 1. Opening

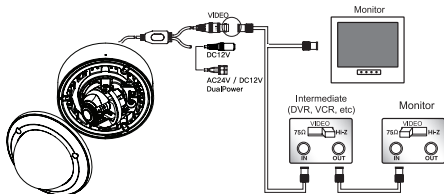
Use the allen wrench to open the cover.



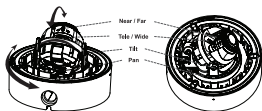
### 2. Place the camera in the desired location and install using the screws supplied.



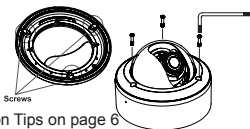
### 3. Connecting Cables



### 4. Pan / Tilt (3Axis) Controls.



### 5. Use the allen wrench to close the cover

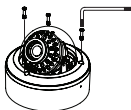


\* See Installation Tips on page 6

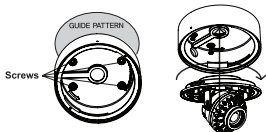
# VTD-AR2812/V INSTALLATION

## 1. Opening

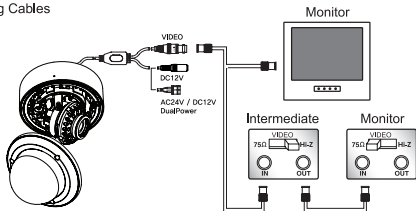
Use the allen wrench to open the cover.



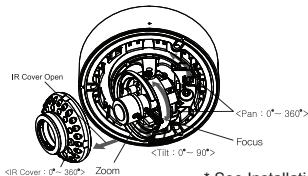
## 2. Place the camera in the desired location and install using the screws supplied.



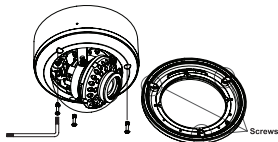
## 3. Connecting Cables



## 4. Pan / Tilt & Focus Controls



## 5. Use the allen wrench to close the cover.



\* See Installation Tips on page 6

## INSTALLATION TIPS

### 1.) Power Consumption - Amperage/Voltage

It is of utmost importance that the proper Voltage and Amperage is used when applying power to your VITEK Alpha Series Dome Camera. They can be powered by either 12V DC or 24V AC. Always use a UL Listed power transformer. The Amperage must be measured at the camera location. It is very important that the camera receives no less than the required Amperage or it will be “Starved” and eventually die out. Cameras with Infrared LEDs require substantially more Amperage than others so please refer to the Specifications (page 24-26) for the camera you are installing.

### 2.) Extending the Power:

The cable may be extended up to 100 feet by using 18 Gauge (or thicker) stranded wire - possibly longer depending on the amperage of the transformer (see appropriate electrical guides to determine resistance). Simply cut the power connector off of the transformer and splice the wire using a wire nut or solder and Electrical tape for isolation. DO NOT ALLOW THE BARE WIRES TO TOUCH ONE ANOTHER.

### 3.) Extending the Video Cable

Always use 75 ohm copper braid coax (RG59U or thicker) for video signal transmission up to 500 feet - possibly longer depending on the grade of cable and percentage of braid. VITEK Alpha Series Dome Cameras utilize BNC Video connectors which come in male or female in order to extend the coax to the desired distance (see appropriate installation guide to learn how to properly install a BNC Connector).

## OSD OPERATION

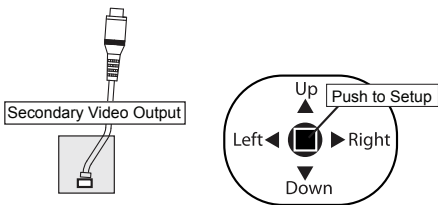
SETUP MENU	
EXPOSURE	LENS AGC SENSE-UP BACKLIGHT 3D-DNR RETURN
WHITE BALANCE	AWB MODE R-Y GAIN B-Y GAIN RETURN
DAY&NIGHT	D&N MODE BURST C_SUP A_SUP DYNAMIC IR RETURN
IMAGE ADJUST	MIRROR SHARPNESS GAMMA LSC MONITOR RETURN
MOTION	MOTION AREA SENSITIVITY DISPLAY HOLD TIME ALARM OUTPUT RETURN
PRIVACY	MASK1 MASK2 MASK3 MASK4 MASK5 MASK6 MASK7 MASK8 RETURN
SPECIAL	LANGUAGE TITLE COMMUNICATION DPC FACTORY SET RETURN
EXIT	



## OSD OPERATION

### Settings

Settings can be made using the 5 buttons.

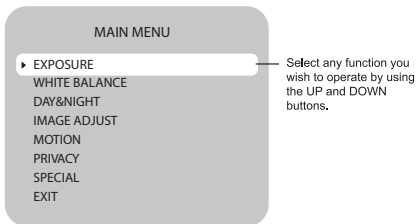


1. Please press the SETUP button

- Settings can now be made. The SETUP menu is displayed on the monitor.


## OSD OPERATION

- Please select any function you wish to activate by using the UP and DOWN buttons.
  - The arrow can be moved up or down by using the UP and DOWN buttons. Please position the arrow to point to the function you wish to operate.



- Please press the LEFT or RIGHT button if you wish to change mode.
  - When the LEFT or RIGHT button is pressed, available values and modes are displayed in order. Please keep pressing the button until you get to the mode you wish to operate.
- Please select 'EXIT' and then press the SETUP button to finish the setting.

### NOTE

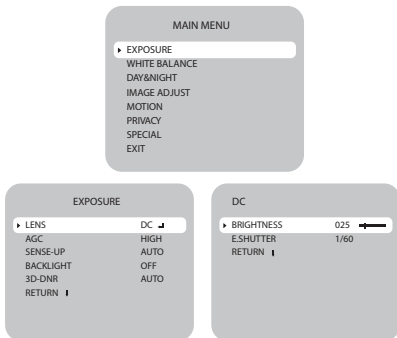
- If  appears at the mode you wish to operate, it means that there is a sub-menu which can be selected by pressing the SETUP button.

# OSD OPERATION

## EXPOSURE

The EXPOSURE menus SHUTTER/IRIS controls, BLC, HLI, D-WDR, AGC and 3D DNR, will set SENSE-UP etc. and it will be able to change a condition.

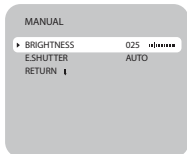
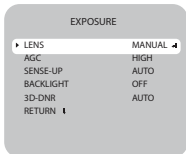
This function is used to adjust the brightness of the screen.



### ▶ LENS

- EXPOSURE - LENS - DC
  - DC modes use DC-IRIS lenses and they control AE. Then, electronic shutter speed default 1/60.
- EXPOSURE - LENS - DC - BRIGHTNESS
  - BRIGHT : Setting for target brightness.
  - Controls DC IRIS at the bright value which is set. Bright control from 1 to 100.
- EXPOSURE - LENS - DC - E.SHUTTER
  - LENS - DC mode setting.
  - E.SHUTTER : Electronic shutter value setting mode in DC IRIS
    - 1/60(1/50), 1/100, 1/120FLK, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000, 1/100000 sec. (default : 1/50 (1/60))
- RETURN

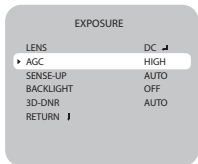
# OSD OPERATION



- EXPOSURE - LENS
  - Selection of LENS modes.
  - The ELC means fixed LENS mode.
  - The ELC modes with electronic shutter AE controls.
  - When use DC-IRIS lens, DC-IRIS full open conditions.
  - DC modes use DC-IRIS lenses and they control AE. This time, Electronic shutter default shutter speed 1/60
- EXPOSURE - LENS - MANUAL - BRIGHTNESS
  - BRIGHT: For target brightness control
  - AE controls this in compliance with a set bright control. Bright control from 1 to 100.
- EXPOSURE - LENS - MANUAL - E.SHUTTER
  - E.SHUTTER - setting value of electronic shutter
  - Select mode: Auto, 1/60(1/50), 1/100, 1/120FLK, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000, 1/100000 sec. (default: AUTO)
  - When selecting in Auto mode (default): The shutter mode from 1/60 to 1/100000 is controlled with automatic.
- RETURN

## ▶ AGC (Auto Gain Control)

- The higher the gain level, the brighter the screen - but the higher the noise.

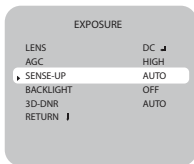


AGC: Auto Gain Control level set OFF / LOW / MIDDLE / HIGH.

## OSD OPERATION

### ▶ SENSE-UP/NIGHT WATCH DSS

- Sense-up is realized in the most low illumination quality and it provides the image without a noise at the low illumination quality.
- When it is night or dark, the camera automatically detects the light level and maintains a clear picture if this mode is activated.

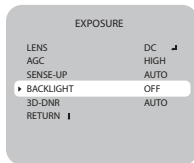


#### EXPOSURE - SENSE - UP

- When it is low dark condition, SENSE UP uses
- AUTO / OFF / X2 / X4 / X8 / X16 / X32 / X64 / X128 / X256 / X512 / X1024
- AUTO mode basically sets X4 by manufacture.
- In case of SENSE-UP operating, the 3D-DNR is operated LOW level.

### ▶ BACKLIGHT

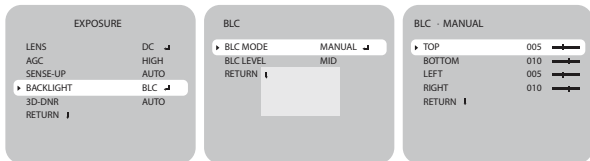
Please select the mode you wish to operate by pressing the LEFT or RIGHT button.



## OSD OPERATION

### BACKLIGHT - BLC (Back Light Compensation)

Possible to select two areas at AREA SEL and can control GAIN, Expand or reduce a length area by HEIGHT and the width area by WIDTH, Move to a width direction by LEFT/RIGHT and the length direction by TOP/BOTTOM.

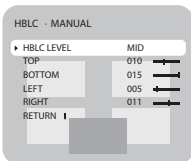
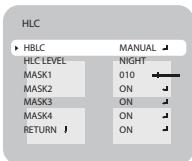
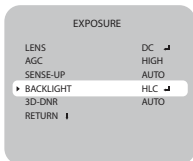


- EXPOSURE - BACKLIGHT - BLC - BLC MODE
  - Select AUTO or MANUAL
  - Sets the total AE level at AE value of select window area.
  - AUTO, the case which modes will select seeks the darkest area with automatic and photometry weight, AE controls does.
- EXPOSURE - BACKLIGHT - BLC - BLC MODE - MANUAL
  - BLC window setting at manual mode
  - TOP / BOTTOM / LEFT / RIGHT zone setting.
  - TOP : 0 ~ (BOTTOM - 1), 1 step.
  - BOTTOM : (TOP + 1) ~ 16, 1 step.
  - LEFT : 0 ~ (RIGHT - 1), 1 step.
  - RIGHT : (LEFT + 1) ~ 16, 1 step.
- EXPOSURE - BACKLIGHT - BLC - BLC LEVEL
  - BLC level select mode.
  - Select OFF / LOW / MID / HIGH
- RETURN

# OSD OPERATION

## BACKLIGHT - HLC (High Light Compensation)

Can select the LEVEL value control and MODE.

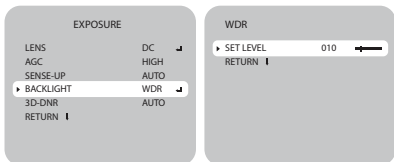


- EXPOSURE - BACKLIGHT - HLC
  - It is a function which reverses the area about strong light.
  - The HLI BLC mode control by BLC window area. (HBLC)
- EXPOSURE - BACKLIGHT - HLC - HBLC
  - Sets HBLC area of separate way from HLC mode
  - HBLC LEVEL : OFF / LOW / MID / HIGH
  - HBLC zone sets regulate HBLC zone with square window of the screen.
  - TOP / BOTTOM / LEFT / RIGHT control mode
    - TOP : 0 ~ (BOTTOM - 1), 1 step / BOTTOM : (TOP + 1) ~ 16, 1 step / LEFT : 0 ~ (RIGHT - 1), 1 step / RIGHT : (LEFT + 1) ~ 16, 1 step
- EXPOSURE - BACKLIGHT - HLC - MODE
  - Use mode set of HLC (ALL DAY / NIGHT).
  - ALL DAY : Always operating HLC
  - NIGHT : Only NIGHT environment operating. But if DAY conditi on, not operating HLC
- EXPOSURE - BACKLIGHT - HLC LEVEL
  - Setting of HLC level ( 1 ~ 100, 1 step, default : 10) Invers e zone will increase in low level
- EXPOSURE - BACKLIGHT - HLC - MASK SEL
  - Window has 4 zones : MASK1 ~ 4 User sets each mask window.
  - TOP / BOTTOM / LEFT / RIGHT control mode
    - TOP : 0 ~ (BOTTOM - 1), 1 step / BOTTOM : (TOP + 1) ~ 34, 1 step / LEFT : 0 ~ (RIGHT - 1), 1 step / RIGHT : (LEFT + 1) ~ 45, 1 step
- RETURN

## OSD OPERATION

### BACKLIGHT - WDR (Wide Dynamic Range)

Realize the improved backlight compensation function more than existed WDR (Wide Dynamic Range) with a fusion ratio of the optimum by pixel, when they composite both a shutter of high speed at the light area and the shutter of low speed at the dark area



- When the BACKLIGHT menu screen is displayed, select 'WDR' by using the Up and Down buttons so that the arrow indicates 'WDR'.
- Use the Left/Right buttons to change the WDR threshold level in the sub menu according to the contrast between bright and dark areas.



WDR ON



WDR OFF

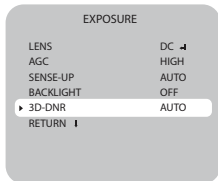
- **OFF** : BACKLIGHT function does not operate.



## OSD OPERATION

### BACKLIGHT - 3D DNR (3Dimension Digital Noise Reduction)

Improve S/N ratio and more clean the low illumination quality and can be monitoring at night clearly without the image drag and noise phenomenon.



- AUTO : Level sets for 3D DNR.
- OFF : 3D DNR function does not operate.
- OFF / LOW / MID / HIGH. The noise level reduces in high level but ghost image increase more.

### BACKLIGHT - RETURN

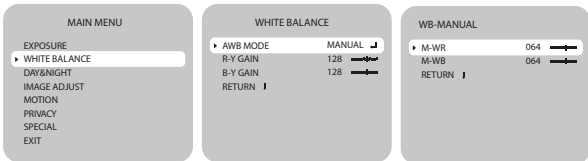
Select this to save the changes in the menu and return to the MAIN menu.

# OSD OPERATION

## WHITE BALANCE

The screen color can be adjusted by using the WHITE BALANCE function.

1. Please position the arrow to point to 'WHITE BALANCE' on the SETUP menu by using the UP and DOWN buttons.
2. Please select the mode you wish to operate by pressing the LEFT or RIGHT button.



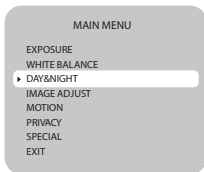
- WHITE BALANCE - AWB MODE
  - ATW : Auto Tracking White Balance mode
  - MANUAL : User can change color
    - M. WR : If it is higher than default (64), the white point moves toward RED. And it is lower than it moves toward GREEN.  
Control range : 0 ~ 128, 1 step, default : 64
    - M. WB : If it is higher than default (64), the white point moves toward BLUE. And it is lower than it moves toward YELLOW.  
Control range : 0 ~ 128, 1 step, default : 64
  - PUSH : When pushing ENTER, the white balance operate automatically in fixed color temperature area.
- COLOR - R-Y GAIN
  - The color gain controls R-Y
  - If it increases more than default (128) value, R-Y gain extends to vertical shaft in color vector. And if it decrease, it shortens ( 0 ~ 255, 1 step, default : 128)
- COLOR - B-Y GAIN
  - The color gain controls B-Y
  - If it increases more than default (128) value, B-Y gain extends to horizontal shaft in color vector. And if it decrease, it shortens ( 0 ~ 255, 1 step, default : 128)
- RETURN : Select this to save the changes in the menu and return to the MAIN menu.

## OSD OPERATION

### DAY & NIGHT

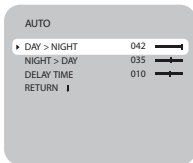
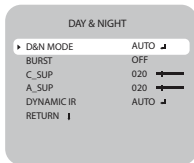
You can display pictures in color or black and white.

- When the **SETUP** is on the screen, please position the cursor to 'DAY & NIGHT' by using the button. And then press the button.



### ▶ D&N MODE

The camera will automatically show color image in high lux and black / white image in low lux. You can use 'DAY & NIGHT' function when 'D&N MODE' is 'AUTO'.



### • DAY&NIGHT - D&N MODE - AUTO

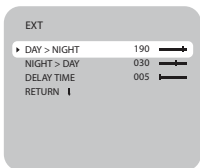
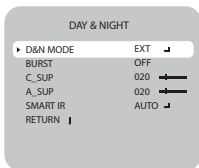
- D&N is decided by AGC gain level.
- DAY>NIGHT: It controls gain level for changing Night mode ((DAY>NIGHT + 1) ~ 42, 1 step) unit dB.
- NIGHT>DAY: It controls gain level for changing DAY mode. (3 5 ~ (NIGHT>DAY - 1), 1 step) unit dB.
- DWELL TIME: D&N change on continual time condition set DAY>NIGHT or NIGHT>DAY.

For protecting hunting.( 0 ~ 15, 1 step) unit : sec

- RETURN: Select this to save the changes in the menu and return to the MAIN menu.

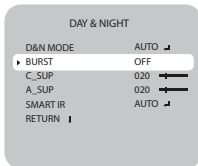
## OSD OPERATION

- DAY&NIGHT - D&N MODE - COLOR : This picture is always displayed in color.
- DAY&NIGHT - D&N MODE - B&W : This picture is always displayed in black and white.  
You can turn on or off the burst signal on B/W mode.
- DAY&NIGHT - D&N - EXT



- EXT mode: D&N decision by external CDS signal.
- DAY>NIGHT: ADC level for changing Night mode. (0 ~ 255, 1 step)
- NIGHT>DAY : ADC level for changing Day mode. (0 ~ 255, 1 step)

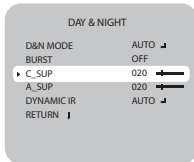
### ▶ BURST



- BURST (AUTO) : When it is Night mode, color burst ON/OFF controls.
- BURST (EXT) : When it is Night mode, color burst signal selects ON/OFF.

## OSD OPERATION

### ▶ C\_SUP / A\_SUP



#### • DAY&NIGHT - C\_SUP

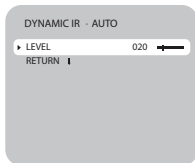
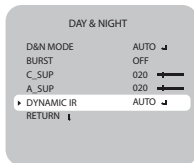
•The color noise suppress in Night mode / 0 ~100, 1 step. Unit %.

#### • DAY&NIGHT - A\_SUP

•The Aperture level suppress in Night mode / 0 ~100, 1 step. Unit %.

### ▶ DYNAMIC IR

Can adjust the display saturation as AUTO or OFF.



### ▶ RETURN

Select this to save the changes in the menu and return to the MAIN menu.

### IMAGE ADJUST

Please position the arrow to point to 'ADJUST' by using the UP or DOWN button.  
Please select 'ON' by pressing the LEFT or RIGHT button.

# OSD OPERATION

## MAIN MENU

- EXPOSURE
- WHITE BALANCE
- DAY&NIGHT
- ▶ IMAGE ADJUST
- MOTION
- PRIVACY
- SPECIAL
- EXIT

## IMAGE ADJUST

▶ MIRROR	OFF
SHARPNESS	015
GAMMA	0.45
LSC	OFF
MONITOR	LCD
RETURN	

- MIRROR : Image change mirror ON/OFF mode



MIRROR ON



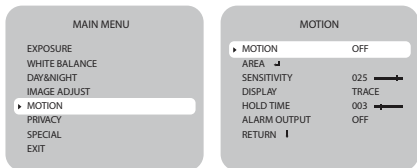
MIRROR OFF

- SHARPNESS : Sharpness level control ( 0 ~ 30, 1 step)
- GAMMA
  - User can adjust GAMMA level.
  - Selecting of 0.45 / 0.60 / 1.0 / USER.
  - After selecting USER mode, the gamma value adjust 0.20 ~ 1.0 0. (0.05 step)
- LSC (Lens Shading Compensation) : Lens Shading Compensation ON/OFF mode  
In order to complement the quality of the lens is a function which increases gain of screen angle. (0 ~ 30, 1 step.)  
In increasing level, side image is bright.
- MONITOR : The DISPLAY MONITOR mode can support two kinds of display (LCD/CRT)
- RETURN : Select this to save the changes in the menu and return to the MAIN menu.

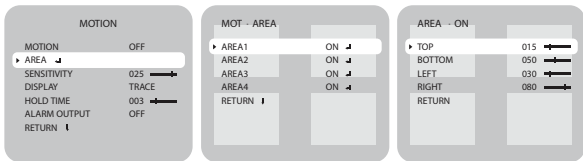
MOTION

# OSD OPERATION

The function informs alarm on camera when being moving by the screen. The setting zones are 4 area.



- MOTION : Select operates ON/OFF



- AREA SEL : Select each area

MOTION – AREA SEL – AREA i

MASK MODE: Selected area operates MASK area.

TOP / BOTTOM / LEFT / RIGHT

TOP : 0 ~ (BOTTOM - 1), 1 step.

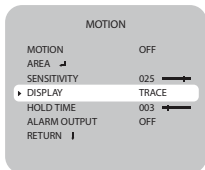
BOTTOM : (TOP + 1) ~ 145, 1 step.

LEFT : 0 ~ (RIGHT - 1), 1 step.

RIGHT : (LEFT + 1) ~ 192, 1 step

\*\* NOTE: The 'ALARM OUTPUT' feature mentioned above is available by Special Order only.

## OSD OPERATION

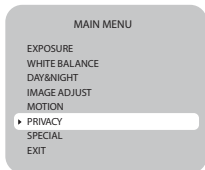


- SENSITIVITY : Control MOTION sensitivity. ( 1 ~ 30, 1 step)
- DISPLAY: Control alarm mode when MOTION indicates. ( Select of OFF / MESSAGE / TRACE)
  - i) MESSAGE mode: MOTION ICON display when MOTION indicates.
  - ii) TRACE mode: Display selected window in AREA
- HOLD TIME: The time of alarm control when MOTION indicat. ( 1 ~ 15, 1 step ) Unit : sec
- ALARM OUTPUT : Select operates ON/OFF
- RETURN : Select this to save the changes in the menu and return to the MAIN menu.

\*\* NOTE: The 'ALARM OUTPUT' feature mentioned above is available by Special Order only.

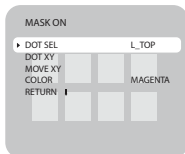
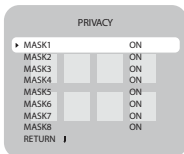
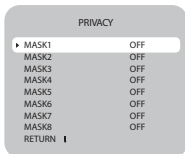
### PRIVACY

The mask controls about the zone where the privacy is necessary. The total mask is 8 zones.  
The each mask color can control GRAY, BLACK, WHITE, RED, GREEN, BLUE, MAGENTA, CYAN.





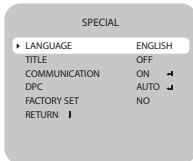
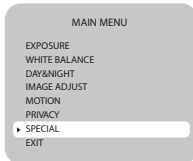
# OSD OPERATION



- PRIVACY – MASK1 ~ MASK 8
  - The each mask selects ON/OFF
- PRIVACY – MASK
  - After selecting each mask, it can select color, location, area of mask.
  - DOT SEL : The each mask can change area.  
(L\_TOP / L\_BOT / R\_BOT / R\_TOP)
  - DOT XY : The selected point in mask controls size.
  - MOVE XY : The selected mask can move.
  - COLOR SET : The selected mask can change color.  
(GRAY / BLACK / WHITE / RED / GREEN / BLUE / MAGENTA / CYAN)

## SPECIAL

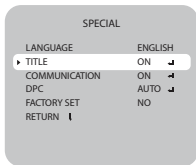
Please position the arrow to point to 'SPECIAL' on the SETUP menu by using the UP and DOWN buttons.  
Please select the mode you wish to operate by pressing the UP or DOWN button.



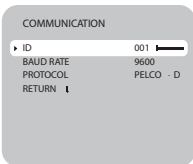
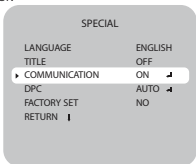
LANGUAGE : ENGLISH, SPANISH, FRENCH, PORTUGUESE, RUSSIAN, GERMAN, ITALIAN, DUTCH, KOREAN, CHINESE

\*\* NOTE: The 'COMMUNICATION' feature mentioned above is available by Special Order only.

# OSD OPERATION



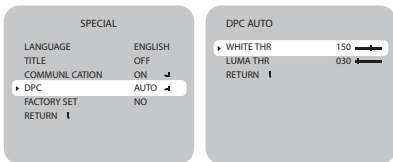
- TITLE
  - User writes TITLE / User sets TITLE ON/OFF.
  - After selecting TITLE ON, it can write TEXT to display on screen.
- USER TITLE - Text setting mode / User can write text 64 characters.
  - ←, → : When it modify, user can move revision text..
  - CLR: User can remove all text.
  - POS: The text move to the position.
  - RET : After finishing USER TITLE to the upper menu.
- COMMUNICATION



- ID : When user set a couple of camera, it can set camera ID of each camera. 0 ~ 255
- COMMUNICATION (communication setting) : User can set RS485 comm. ON/OFF.
  - Setting RS485 communication.
  - PROTOCOL: Supporting for PELCO-D.
  - BAUDRATE: 2400 / 4800 / 9600 / 19200. Unit : bps
  - \*\* NOTE: The 'COMMUNICATION' feature mentioned above is available by Special Order only.

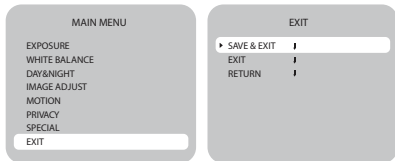
## OSD OPERATION

- DPC (Dead Pixel Compensation)
  - It is the function to compensate for CCD defect. User can select OFF / MANUAL.



- DPC - MANUAL
  - After selecting MANUAL mode, menu move to the DPC control mode
  - WHITE THR : White defect threshold. (0 ~ 255, 1 step)
  - LUMA THR : Black defect threshold. (0 ~ 255, 1 step)
- FACTORY SET : Factory initial data mode set.
  - Camera setting data factory original data.
  - After factory set mode, user has to enter SAVE&EXIT.
- RETURN : Select this to save the changes in the menu and return to the MAIN menu.

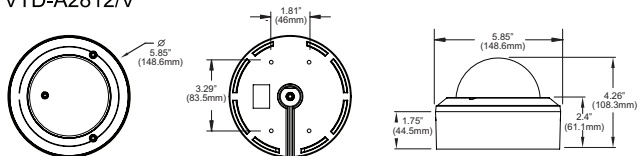
### EXIT



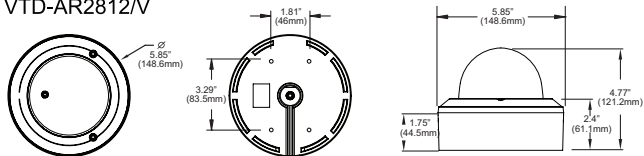
- SAVE & EXIT
- EXIT
- RETURN

## DIMENSIONS

VTD-A2812/V



VTD-AR2812/V



## SPECIFICATIONS

### VTD-A2812/V

Image Device	1/3" Sony SuperHAD II CCD
Resolution	650 TV Lines
Min. Illumination	0.1 Lux at F1.2 (Color) / 0.0001 Lux (Sense up x256)
Effective Pixels	811(H) x 508(V) 410K pixels
S/N Ratio	More Than 52dB (AGC Off)
Shutter	AUTO / MANUAL (1/60sec ~ 1/100,000sec)
White Balance	ATW / AWC / PUSH / MANUAL (Adjustable)
Standard Lens	2.8-12mm DC Auto Iris Lens
Video Output	CVBS: 1.0Vp-p / 75ohm
IP Rating	IP68
Power Source	Dual Voltage 12VDC/24VAC Operation
Power Consumption (12VDC)	120 mA
Power Consumption (24VAC)	70 mA
Environmental	14°F~ 122°F (-10°C~50°C) at 30%~80% RH
Dimensions	5.85" x 4.22" (148.48mm x 107.13mm)
Weight	2.19lbs (997g)

## SPECIFICATIONS

### VTD-AR2812/V

Image Device	1/3" Sony SuperHAD II CCD
Resolution	650 TV Lines
IR LEDs	35 LEDs at 850nm
Min. Illumination	0 Lux (IR ON)
Effective Pixels	811(H) x 508(V) 410K pixels
S/N Ratio	More Than 52dB (AGC Off)
Shutter	AUTO / MANUAL (1/60sec ~ 1/100,000sec)
White Balance	ATW / AWC / PUSH / MANUAL (Adjustable)
Standard Lens	2.8-12mm IR Corrected DC Auto Iris Lens
Video Output	CVBS: 1.0Vp-p / 75ohm
IP Rating	IP68
Power Source	Dual Voltage 12VDC/24VAC Operation
Power Consumption (12VDC)	120 mA (IR LEDs Off) / 800 mA (IR LEDs On)
Power Consumption (24VAC)	70 mA (IR LEDs Off) / 500 mA (IR LEDs On)
Environmental	14°F~122°F (-10°C~50°C) at 30%~80% RH
Dimensions	5.85" x 4.75" (148.48mm x 120.64mm)
Weight	2.44lb (1106.77g)

## OPTIONAL CEILING MOUNTS



### **VT-AV/CMT**

#### **Heavy Duty ALPHA Series Ceiling Mount**

- Compatible with the ALPHA Series Vandal Resistant Dome Cameras
- Available in Ivory and Black (VT-AV/CMT-W / VT-AV/CMT-B)

## OPTIONAL WALL MOUNTS



### **VT-AV/WMT**

#### **Heavy Duty ALPHA Series Wall Mount**

- Compatible with the ALPHA Series Vandal Resistant Dome Cameras
- Available in Ivory and Black (VT-AV/WMT-W / VT-AV/WMT-B)



## EHL SERIES DIGITAL RECORDERS



### **VT-EHL Series** **4 & 8 Channel Digital Video Recorders** **with H.264 Compression**

**H.264**

Simplicity and reliability is the basis upon which the EH L Digital Video Recorder was conceived. With almost every powerful feature of its predecessor the "EH", the EHL offers an economical option for providing the most advanced recording solution available. As part of the EH family, the EHL is completely compatible with all VITEK EH Platform application software.

- 4 or 8 Video Inputs with 1 Main, 1 Spot Monitor Output and 1 VGA output.
- Real Time Recording with Up to 120 IPS at HD1 Recording / Live Display (VT-EHL4) / 240 IPS at CIF (VT-EHL8)
- H.264 Compression
- 500GB to 2TB Internal Storage Options
- Remote Viewing over the Internet, LAN, Explorer, Safari, Firefox, Opera and Chrome
- iPhone, iPad, iTouch and Android Apps available



## NOTES

## NOTES

## **VITEK 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, wilful 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.



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