



VTC-IRA24F

Day/Night 960H Infrared
Bullet Camera



- 1/3" High Density Sony Super HAD CCD (960H) w/ Effio-A DSP
- 750 TV Lines of Resolution (960H)
- E-WDR by ATR-EX (Adaptive Tone Reproduction)
- Lens Shading Compensation
- 24 Dynamic Infrared LEDs with up to 65' Range
- 0.003 Lux / 0 Lux with IR LEDs On
- IR Corrected 3.6mm Electronic Iris Lens / Smart IR / Mirror
- D-WDR / Backlight & Hightlight Compensation
- 3DNR Noise Reduction
- Privacy Masking / Motion
- ATW / Push / User1 / User2 / MANUAL / Push Lock
- OSD (On Screen Display) menu and Camera ID
- 3-Axis Concealed Bracket
- IP-67 Rated Water Resistance
- Cable Feed Through Mount for tamper resistance
- 12 VDC Operation

VITEK



CAUTION
RISK OF ELECTRICAL SHOCK
DO NOT OPEN

**CAUTION:**

To reduce the risk of electric shock, do not expose this apparatus to rain or moisture. Only operate this apparatus from the type of power source indicated on the label. The company shall not be liable for any damages arising out of any improper use, even if we have been advised of the possibility of such damages.



The lightning flash with an arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of non-insulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

INFORMATION This equipment has been tested and found to comply with 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.

WARNING Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

CAUTION To prevent electric shock and risk of fire hazards

- ◆ Do NOT use power sources other than that specified.
- Do NOT expose this appliance to rain or moisture.

This installation should be made by a qualified service person and should conform to all local codes.

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Warnings

The camera needs periodic inspection.

- Contact an authorized technician for inspection.

Stop using camera if there is a malfunction.

- If your using your camera around smoke or inusual heat for a long time, fire may be caused.

Do not install the camera on a surface that can not support it.

- Unless the surface is suitable, injury or other hazards may occur.

Do not disassemble the camera.

- It may result in fire, electric shock or other hazards.

Do not hold plug with wet hands.

- It could cause an electric shock.

Do not use the camera close to a gas or oil leak.

- It may result in fire or hazards.

Precautions

Ø Do not install the camera in extreme temperature conditions.

- Only use the camera under conditions where temperatures are between -14°F and +122°F.
- Be especially careful to provide ventilation when operating under high temperatures.

Ø Do not drop the camera or subject it to physical shocks.

- It may cause malfunctions to occur.

Ø Never point camera into a strong light source, such as the sun or bright spotlight.

- It can damage the CMOS Sensor.

Ø Do not expose the camera to radioactivity.

- This will damage the CMOS sensor.

NOTE

- *If the camera is exposed to spotlight or object reflecting strong light, smear or blooming may occur.*
- *Please check power specs before connecting power.*

FEATURES

- 1/3" High Density Sony Super HAD CCD (960H) w/Effio-A DSP
- High Resolution of 750 TVL
- E-WDR by ATR-EX (Adaptive Tone Reproduction)
- 24 Dynamic Infrared LEDs with up to 65' Range
- 0.003 Lux / 0 Lux with IR LEDs On
- IR Corrected 3.6mm Electronic Iris Lens / Smart IR / Mirror
- Auto Day/Night
- DIS(Digital Image Stabilizer), LSC (Lens shading compensation)
- BLC / HLC / Flickerless
- Anti-Color Rolling
- De-Fog
- Motion Detection
- Privacy Masking
- Advanced Digital Noise Reduction(2D + 3D)
- OSD (On Screen Display) menu and Camera ID
- IP67 Rated Water Resistance
- 12VDC Operation

[OSD Setup Menu]

SETUP
SCENE SELECT
PICT ADJUST
EZOOM
DIS
PRIVACY MASK
MOTION DET
SYS SETTING
LANGUAGE
VERSION
MAINTENANCE
EXIT

MAIN MENU	SUB MENU I	SUB MENU II	ADJUSTMENT				
SCENE SELECT	CUSTOM / FULL AUTO / INDOOR / OUTDOOR / BACKLIGHT / ITS	SHUTTER/AGC	AUTO	AE LEVEL	1 ~ 250		
				AGC MAX	6 ~ 44.8 DB		
				SENS UP	AUTO / OFF		
						RETURN	
			MANUAL	SHUTTER	2 ~ 256 FLD, 1/50 ~ 1/10000		
				AGC MAX	6 ~ 44.8 DB		
				RETURN			
			FIX	SHUTTER	2 ~ 256 FLD, 1/50 ~ 1/10000		
				AGC	0 ~ 44.8 DB		
		RETURN					
		WHITE BAL	ATW	SPEED	0 ~ 255		
				DELAY CNT	0 ~ 255		
				ATW FRAME	0 ~ 255		
				ENVIRONM ENT	ATUO / INDOOR / SUNNY / SHADE		
				RETURN			
			PUSH				
			USER1	B-GAIN	0 ~ 255		
				R-GAIN	0 ~ 255		
				RETURN			
			USER2	B-GAIN	0 ~ 255		
		R-GAIN		0 ~ 255			
			RETURN				
		MANUAL	LEVEL	0 ~ 63			
			RETURN				
		PUSH LOCK					
		HLC/BLC	HLC	CLIP LEVEL	0 ~ 255		
				RETURN			
	BLC						
	OFF						

OSD MENU TREE

MAIN MENU	SUB MENU I	SUB MENU II	ADJUSTMENT					
SCENE SELECT	CUSTOM / FULL AUTO / INDOOR / OUTDOOR / BACKLIGHT / ITS	ATR-EX	ON	CONTRAST	LOW / MID / HIGH			
				CLEAR FACE	OFF / LOW / MID / HIGH			
				RETURN				
			OFF					
		DNR	LEVEL	0 ~ 6				
			RETURN					
		DAY/NIGHT	AUTO	BURST	ON / OFF			
				CNTL SIGNAL	INT / EXT1 / EXT2			
				DELAY CNT	0 ~ 255			
				DAY→NIGHT	0 ~ 255			
				NIGHT→DAY	0 ~ 255			
			RETURN					
			DAY					
		NIGHT	BURST	ON / OFF				
			RETURN					
		IR OPTIMIZER	ON	MODE	AUTO / CENTER			
				IR AREA	TOP	0~6		
					BOTTOM	0~6		
					LEFT	0~8		
					RIGHT	0~8		
					WEIGHT	0~15		
				RETURN				
				LEVEL	0 ~ 12			
				IR LED	DAY/NIGHT	LEVEL MIN	0 ~ 255	
						LEVEL MAX	0 ~ 255	
						RETURN		
					FIX	LEVEL	0 ~ 255	
				RETURN				
OFF								
COLOR NIGHT	ON	COLOR GAIN	LOW / MID / HIGH					
		RETURN						
	OFF							

OSD MENU TREE

MAIN MENU	SUB MENU I	SUB MENU II	ADJUSTMENT				
SCENE SELECT	CUSTOM / FULL AUTO / INDOOR / OUTDOOR / BACKLIGHT / ITS	IR OPTIMIZER	ON	IR SHADE COMP	ON	PATTERN	SET 1 ~ 3
						POSH	0 ~ 959
					POSV	0 ~ 959	
					LEVEL	OFF / LOW / MID / HIGH	
			RETURN				
			OFF				
			RETURN				
			OFF				
		LENS SHD COMP	ON	PATTERN	SET 1 ~ 3		
				POSH	0 ~ 959		
			POSV	0 ~ 959			
			RETURN				
		OFF					
		DEFOG	ON	LEVEL	LOW / MID / HIGH		
				RETURN			
		OFF					
FLK LESS	AUTO	MODE	SHUTTER FIX / GAIN CNTL				
		RETURN					
	ON	MODE	SHUTTER FIX / GAIN CNTL				
		RETURN					
OFF							
ANTI CR	AUTO / ON / OFF						
RETURN							
PICT ADJUST	BRIGHTNESS	0 ~ 255					
	CONTRAST	0 ~ 63					
	SHARPNESS	0 ~ 15					
	HUE	0 ~ 127					
	COLOR GAIN	0 ~ 255					
	RETURN						
EZOOM	ON	MAG	0 ~ 255				
		PAN	0 ~ 1023				
		TILT	0 ~ 511				
		RETURN					
	OFF						

OSD MENU TREE

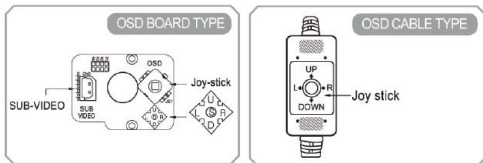
MAIN MENU	SUB MENU I	SUB MENU II	ADJUSTMENT		
DIS	ON / OFF				
PRIVACY MASK	AREA SEL	1/15 ~ 15/15			
	DISPLAY	ON / OFF			
	POSITION				
	COLOR	BLUE / YELLOW / CYAN / MAGENTA / WHITE / BLACK / RED / GREEN			
	TRANSP	0.00 ~ 1.00			
	MOSAIC	ON / OFF			
	RETURN				
MOTION DET	ON	DETECT SENSE	0 ~ 127		
		INTERVAL	0 ~ 127		
		BLOCK DISP	ON / OFF		
		MASK AREA	1 ~ 96		
			RETURN		
		MONITOR AREA	AREA SEL	1/4 ~ 4/4	
			AREA MODE	ON / OFF	
			TOP	0 ~ 15	
			BOTTOM		
			LEFT		
	RIGHT				
	RETURN				
	RETURN				
	OFF				
SYS SETTING	SYNC MODE	INT			
	LENS	AUTO	TYPE	DC / VIDEO	
			MODE	AUTO	
				OPEN	
				CLOSE	
		ADJUST	ENTER TO CANCEL		
	SPEED	0 ~ 255			
MANUAL					

OSD MENU TREE

MAIN MENU	SUB MENU I	SUB MENU II	ADJUSTMENT	
SYS SETTING	FLIP	V / H / HV / OFF		
	LCD/CRT	LCD / CRT		
	COMMUNICATION	PROTOCOL	PELCO-D	
		ADDRESS	1 - 255	
		BAUDRATE	2400 / 4800 / 9600 / 19200 / 38400 / 57600 / 115200	
		DATABIT	8 BIT	
		PARITY	ODD / EVEN / OFF	
		STOPBIT	1 BIT	
	RETURN			
	CAMERA ID	ON / OFF		
RETURN				
LANGUAGE	ENGLISH / ESPAÑOL / РУССКИЙ / PORTUGUÊS / DEUTSCH / FRANCAIS / 日本語			
VERSION				
MAINTENANCE	W.PIX MASK	MANUAL	REGISTRATION	
			REG.POINT	WHITE / BLACK / OFF
			CURSOR	WHITE / BLACK / RED / GREEN / BLUE
			COLOR	WHITE / BLACK / RED / GREEN / BLUE
			BLINK	ON / OFF
		REG.NUMBER		
		RETURN		
		AUTO	LEVEL 1	0 - 255
			LEVEL 2	0 - 255
			AUTO	
	RETURN			
DATA CLEAR				
CAMERA RESET				
RETURN				
EXIT	SAVE / NOT SAVE / CANCEL / BACK			

SETUP MENU (OSD)

[HOW TO OPERATE OSD JOYSTICK]

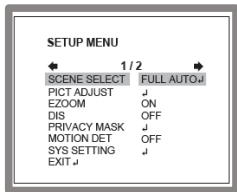


OSD menu is controlled by OSD joystick in OSD Board or OSD Cable

-▲ (UP), ▼ (DOWN), ◀ (LEFT), ▶ (RIGHT), ● (SET / ENTER)

[OSD SET UP]

Press Enter button of the OSD Joystick to enter into OSD main menu.

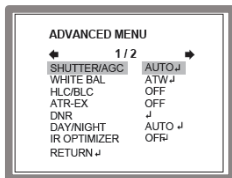


SETUP MENU (OSD)

1. SCENE SELECT

You can select options according to the environment: FULL AUTO, INDOOR, OUTDOOR, BACKLIGHT, ITS (Traffic Monitoring) and CUSTOM (User defined).

1.1. SHUTTER/AGC

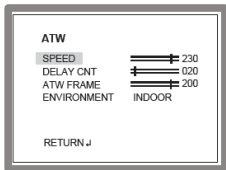


This function can set the SHUTTER/AGC level to AUTO, MANUAL or FIX.

SHUTTER/AGC	DESCRIPTION
AUTO	Video level is automatically controlled by settings of AE LEVEL, AGC, MAX and SENS UP. Under lowest light level, AGC is maximized by automatic gain controller Also can set SENS UP, ON or OFF.
MANUAL	Video level is manually controlled by the settings of SHUTTER, AGC MAX. Available DC Auto Iris Lens only in this mode.
FIX	Video level is fixed.

SETUP MENU (OSD)

1.2. WHITE BAL



You can choose from different white balance modes: ATW, PUSH, USER1, USER2, MANUAL and PUSHLOCK.

Only when you choose the CUSTOM mode in the SCENE SELECT menu will the 'WHITE BALANCE' sub-menu ATW/ PUSH/ USER1/ USER2/ MANUAL/PUSH LOCK appear, you can now adjust the mode.

Otherwise the white balance is fixed. The other mode in the SCENE SELECT sub menu is a fixed ATW setting only.

1.2.1. ATW (AUTO WHITE BALANCE)

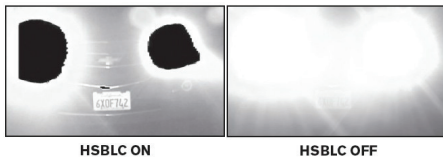
You can set the SPEED, DELAY CNT, ATW FRAME and ENVIRONMENT.

ATW	DESCRIPTION
SPEED	Set the AWB compensating speed
DELAY CNT	Adjusts the AWB compensation delay to next update of AWB.
ATW FRAME	Determines the ATW range with respect to the fundamental range.
ENVIRONMENT	Select INDOOR, SUNNY, SHADE or AUTO.

SETUP MENU (OSD)

1.3. HLC/BLC**HLC (HIGHLIGHT COMPENSATION)**

This function is used to black out highlighted areas in order to enable a clear visual image of objects, such as the license plates of an oncoming vehicle or other objects that may be obstructed by bright headlamps.

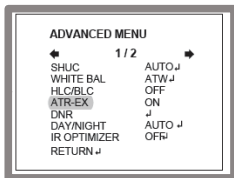
**BLC (BACKLIGHT COMPENSATION) :**

This is a useful function that brightens an image in the foreground with a highly lite area behind it such as sunlight thus eliminating the affect of a silhouette.



SETUP MENU (OSD)

1.4. ATR-EX (Adaptive Tone Reproduction-EX)

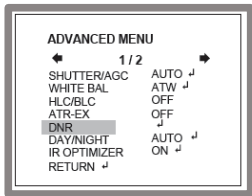


Set to enable or disable ATR (Adaptive Tone Reproduction) compensation for a better dynamic range (D-WDR) of the image. This function provides gradation compensation to improve the contrast of subjects whose gradation has been lost in cases where both low-luminance and high-luminance areas exist in the same picture.

1.4.1. ATR-EX SETUP

User can select CONTRAST and CLEAR FACE values from LOW / MID / HIGH to achieve the best image quality.

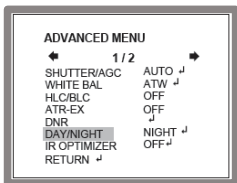
1.5. DNR



You can adjust the level of noise reduction, the bigger the value, the higher the noise reduction level. DNR (Digital Noise Reduction) removes the temporal noise reduction by 3D filtering while using frame memory spatial noise is reduced by the 2D filtering. Setting a higher level of noise reduction may result in the loss of sharpness and the tail effect of a comet may occur.

SETUP MENU (OSD)

1.6. DAY/NIGHT



Day/night function is for the user to use the camera for different occasions. There are three modes, DAY, NIGHT and AUTO

DAY/NIGHT	DESCRIPTION
AUTO	This function controls the camera output Color or B&W image according to the strength of the light. You Can set the parameter according to the environment. Camera decides DAY or NIGHT through in coming light level itself.
DAY	Video is always in Color.
NIGHT	Video is always in Black & White.

SETUP MENU (OSD)

1.7. IR OPTIMIZER

This is a useful function for IR LED cameras in night mode only.

If subjects which can cause overexposure are located near the monitored area, you can adjust IR OPTIMIZER level or area by Selecting ON or OFF.

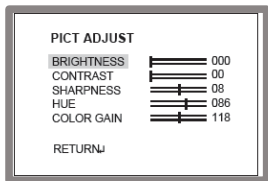
If IR OPTIMIZER is set to "ON",

IR OPTIMIZER	DESCRIPTION
MODE	Select AUTO or CENTER to reduce over-saturation. AUTO : Reducing the over-saturation is automatically adjusted along with the location of the subject.
IR AREA	Sets the IR OPTIMIZER AREA and the function works selected area in 'CUSTOM preset only.
LEVEL	This function is used to adjust the overall when IR OPTIMIZER is working. If the LEVEL is too high, the over-saturation could occur.
IR LED	Set the IR LED ON/OFF <ul style="list-style-type: none"> • DAY/NIGHT : Follows the setting automatically DAY/NIGHT function. • OFF : Turn IR LED off. • FIX : Fixes the brightness of IR LED in any condition.
COLOR NIGHT	Displays night video in color.
IR SHADE COMP	This function is used to compensate for IR shade of the side area on screen when IR LED is ON. You can adjust the shading PATTERN, POSITION and LEVEL. If the LEVEL is high, the screen noise could be increased at the side area.

MODE	DESCRIPTION
LENS SHD COMP	Lens shading compensation. This function is used to calculate the compensation data for lens shading. The convex shape of the lens causes the light to enter the camera unevenly and typically makes the center of the screen brighter than the rest. It is used to compensate for this undesirable effect and make the screen more even. Set to 'ON', you can adjust the shading PATTERN and POSITION.
DEFOG	<ul style="list-style-type: none"> • You can choose the Defog function according to the environment. The visibility of the camera can be enhanced in any weather condition. You can select from Off/Low/Middle/High to display. • If set to ON, the WDR/BLC function will be deactivated.
FLK LESS	This function is used to remove the flickering on screen due to differences in light and electric frequencies. Selects AUTO, OFF or ON.
ANTI-CR	This mode can minimize the problems related to color rolling caused by differences between the flicker of fluorescent lights and the frequency of the camera. Selects AUTO, OFF or ON

SETUP MENU (OSD)

2. PICT ADJUST

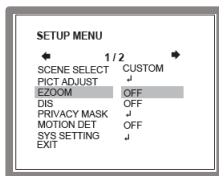


PIC ADJUST	DESCRIPTION
BRIGHTNESS	Increases or decreases the brightness of the picture. Do not increase this too much this will cause the dynamic range for the highlighted areas to decrease.
CONTRAST	Adjust the strength of the image Contrast. If Contrast is set to too high, the dark area may lose detail and the high luminance area may be saturated.
SHARPNESS	Increase or decreases the Sharpness of the picture. Setting the Sharpness too high will cause more noise and a harsh image.
HUE	Adjusts hue for NTSC version only.
COLOR GAIN	Increases or decreases the Color Saturation.

SETUP MENU (OSD)

3. EZOOM

Sets the maximum digital zoom magnification. E.ZOOM function enlarges the pixel itself, which can cause deterioration of the picture quality.

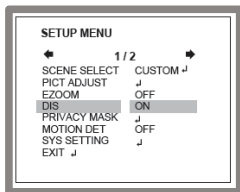


You can setup according to the needs of area size and position.

EZOOM	DESCRIPTION
MAG	MAG is the magnification ratio of the electronic zoom. Sets from x000 to x255.
PAN	When MAG is greater than 0, the electronic pan is available. 000 is the left most pan and 1023 is the right most pan.
TILT	When MAG is greater than 0, the electronic tilt is available. 000 is the upper most tilt and 511 is the lower most tilt.

4. DIS (Digital Image Stabilization)

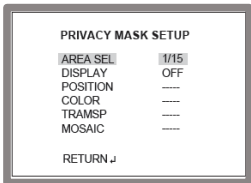
This function is used to reduce and stabilizes the shaky image from a camera installed in the vibrated area. FOV(Field of view) will be reduced if set to ON.



SETUP MENU (OSD)**5. PRIVACY MASK**

Sets ON/OFF for enabling/disabling PRIVACY. Up to 15 privacy areas are available and each area is programmable in size, position, color and transparency of the chosen area.

- The privacy areas are masked with the color selected by PRIVACY MASK>COLOR.

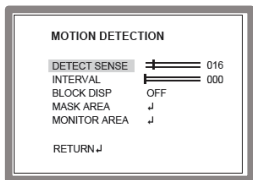


PRIVACY MASK	DESCRIPTION
AREA SEL	Select the area to be masked AREA1~AREA15 to be adjusted.
DISPLAY	Choose ON / OFF for the masked areas which you selected 'AREA SEL'.
POSITION	Adjust the masked area positions by UP/DOWN/LEFT/RIGHT.
COLOR:	Selects one of 8 colors (Red, Green, Blue, Yellow, Cyan, Magenta, White and Black) for selected mask window at 'AREA SEL'.
TRANSP	Transparency rate for the mask can be adjusted.
MOSAIC	Enables or disables the mosaic effect for the selected mask window at 'AREA SEL'.

SETUP MENU (OSD)

6. MOTION DETECTION

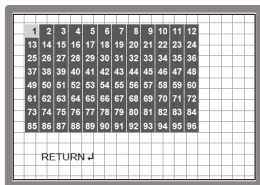
Up to 4 Motion Detection areas are available settings include DETECTION SENSE / INTERVAL / BLOCK DISP / MASK AREA / MONITOR AREA and each area is programmable in size and location.



MOTION DETECTION	DESCRIPTION
DETECT SENSE	Adjust the sensitivity level for detecting motion. A higher value is more sensitive.
INTERVAL	Set the interval time from the starting motion operation until being ready for the next motion operation.
BLOCK DISP	Enables or disables displaying blocks for the area which the motion is detected.
MASK AREA	Sets MASK AREA for disabling MOTION DETECTION. Selects number of area cells to set the area you need.
MONITOR AREA	Sets the MOTION DETECTION area on screen. For visual surveillance area and you can adjust the parameter values to adjust the surveillance area location.

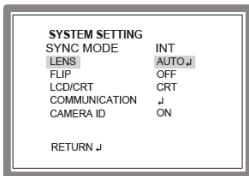
6.1. BLOCK DISP

The motion is displayed by means of blocks when MOTION DET and MOTION DET>BLOCK DISP are ON.



SETUP MENU (OSD)

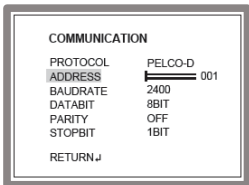
7. SYS SETTING



SYS SETTING	DESCRIPTION
LENS	Selects the lens type: AUTO or MANUAL. <ul style="list-style-type: none"> • AUTO
FLIP	Use to inverse the pictures coming from the camera. <ul style="list-style-type: none"> • V : Vertical Flips the video signal vertically • H : Horizontal Flips the video signal horizontally • HV : Horizontal and Vertical Flips the video signal horizontally and vertically.
LCD/CRT	Select the correct type of viewing monitor CRT or LCD this will ensure the most optimal picture.
COMMUNICATION	Set up COMMUNICATION related functions PROTOCOL / ADDRESS / BAUD RATE / DATAIT / PARITY / STOPBIT according to your needs.
CAMERA ID	Set the camera ID as numbers, uppercase letters, and related symbols.

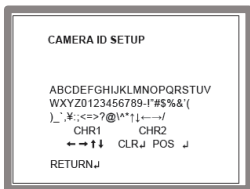
7.1. COMMUNICATION

Set up COMMUNICATION related functions PROTOCOL / ADDRESS / BAUD RATE / DATAIT / PARITY / STOPBIT according to your needs.



SETUP MENU (OSD)

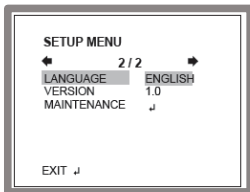
7.2. CAMERA ID



Set the camera ID as numbers, uppercase letters, and related symbols.

- ←↑↓→ : Up/Down, Left/Right
- CLR : clear camera name
- POS : for position.
- RETURN : return to the upper menu.

8. LANGUAGE



Select from 8 languages: ENGLISH, SPANISH, RUSSIAN, PORTUGUESE, GERMAN, FRENCH, CHINESE and JAPANESE.

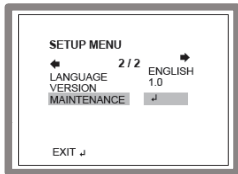
9. VERSION

The camera firmware version is displayed.

SETUP MENU (OSD)

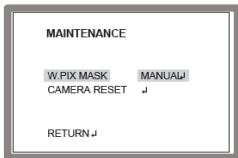
10. MAINTENANCE

Set up functions for WHITE PIXEL MASK and CAMERA RESET.



10.1. W.PIX MASK

This function is used to compensate white pixels. When used camera in high-temperature environment, there might be dead pixel on image CCD sensor. With this function ON the dead pixel is to be masked so as to improve the picture quality. There are three settings: MANUAL / AUTO / DATA CLEAR.

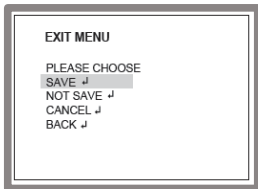


MAINTENANCE	MODE	DESCRIPTION
MANUAL COMP	REGISTRATION	Detect each white pixel using the cursor.
	REG. POINT	Displays detected white pixels in color.
	CURSOR COLOR	Select cursor color: WHITE / BLACK / RED / GREEN / BLUE
	BLINK	Set the cursor to blink or not blink.
	REG. NUMBER	Display quantity of detected white pixels.
AUTO COMP	LEVEL1	Sets the threshold to detect white pixels.
	LEVEL2	Sets the threshold to detect very large white pixels.
	AUTO	Start automatic detection of white pixels.
DATA CLEAR		Clear the W.PIX data or not.
CAMERA RESET		This function is used to RESET to the factory defaults of the camera settings. You should confirm before using this operation.

SETUP MENU (OSD)

11. EXIT

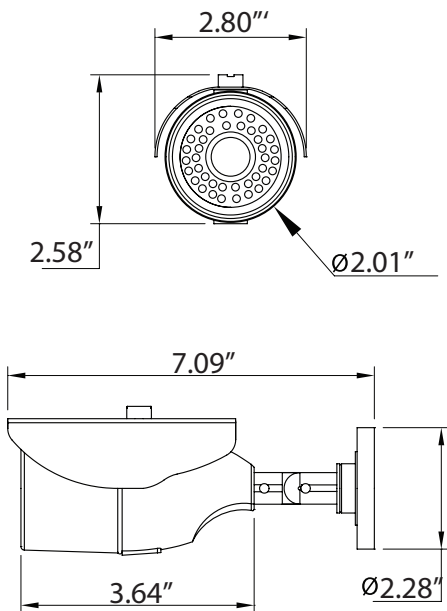
Exits SETUP MENU and returns to the normal display.



EXIT MODE	DESCRIPTION
SAVE	Saves all the settings before exiting the setup menu.
NOT SAVE	Exit the setup menu without saving.
CANCEL	Cancel the exit mode.
BACK	Go back to the previous menu mode.

Dimensions

(unit: inches)



Specifications

Image Device	1/3" High-Resolution Inter-Line CCD (960H) w/ Effio A
Resolution	750 TVL (960H)
Effective Pixels	976(H) x 494(V)
Minimum illumination	0.003 Lux (0 Lux with LED ON)
Infrared LEDs	24 Dynamic IR LEDs
IR Distance	65' (20m)
Day/Night	Auto
Built-In Lens	3.6mm IR Corrected Lens
Light Compensation	HLC (Highlight Compensation) / BLC (Backlight Compensation)
Noise Reduction	3DNR
White Balance	ATW / Push / User1 / User2 / MANUAL / Push Lock
E-WDR	E-WDR by ATR-EX
Lens Shading Compensation	YES
Motion Detection	YES
Privacy Masking / Motion	UP to 15 Programmable Mask Areas
Water Resistance	IP67
Power Source	DC12V ($\pm 10\%$)
Power Consumption	70mA / 240mA (IR OFF/ON)
Operating Conditions	14°F to +140°F (-10°C to +60°C) @ 85% RH
Dimensions	2.80" x 7.09" x 2.58" (71 x 180 x 65.5mm)

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