

3.7mm Cone Pinhole Lens

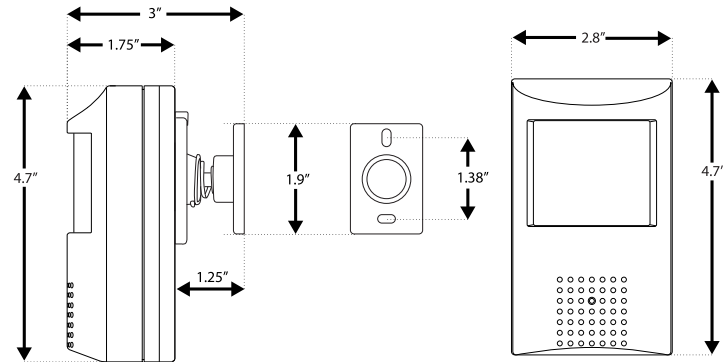
## PRODUCT FEATURES

- Multi Format (TVI, CVI, AHD, 960H)
- Full HD 1080p Resolution
- 3.7mm Cone Pinhole Lens
- Sense-up / Slow Shutter Speed
- UTC & Joystick Controllable OSD
- 12 Volt DC Power
- 3D Digital Noise Reduction
- 1/2.9" Sony CMOS Sensor
- Indoor Only

HDPIR



## CAMERA DIMENSIONS / LINE ART



Non-functioning PIR Detector

## SPECIFICATIONS

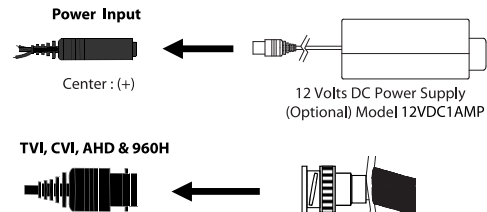
Model No.	HDPIR
Image Sensor	1/2.9" CMOS Sensor
Total Pixels	1984 x 1225
Active Pixels	1920 x 1080
Resolution	1920 x 1080 (1080p)
Scanning System	Progressive Scan
OSD (On Screen Display)	Dual OSD Access: Cable Mounted Joystick Controlled UTC Controlled (coaxial control)
Digital WDR (Wide Dynamic Range)	Auto / Off / On - 0 ~ 8 Adjustable
DNR (Digital Noise Reduction)	2D & 3D, Low, Middle, High, Off
Video Output	TVI, CVI, AHD & 960H Selectable via Cable OSD Joystick
Lens - IR Type	3.7mm Cone Pinhole Lens
Sense-up	Off / Auto (x2 ~ x30 Selectable)
Shutter Speed	Auto, FLK, 1/30 ~ 1/50,000, x2 ~ x30
Minimum Illumination	Color 1.0 Lux, B/W 0.5 Lux
S/N Ratio	More than 52dB
Automatic Gain Control	0 ~ 15 Adjustable
Sync System	Internal
Gamma Characteristics	y = 0.45 typ
White Balance	AWB / ATW / AWC->Set / Indoor / Outdoor / Manual
Back Light Compensation	Off / BLC / HSBC
HBLC (High Back Light Compensation)	On / Off
Day/Night	EXT / Auto / Color / B/W
Mirror	Mirror / V-Flip / Rotate / Off
Languages	English, French, Spanish, German, Italian (see OSD Menu for more)
Brightness	0 ~ 100 Adjustable
Motion Detection	On/Off (4 Zone Selectable)
Privacy Mask	On/Off (4 Zone Selectable)
Power Input	12VDC Only
Power Requirement	100mA
Overall Camera Dimensions	120 x 71 x 76mm / 4.7" x 2.8" x 3"
Housing / Color	Aluminum / Black
Weight	0.3lb
Operating Temperature	14°F ~ 122°F
Weatherproof Rating	Indoor Only

\* All specifications subject to change without notice for quality improvement

## CAMERA CABLE CONNECTION

Insert power lead into power connector (insure proper voltage is supplied and observe polarity).

Insert video lead into BNC connector (push, then twist to lock BNC connector in place).



Use In-Line OSD control to select format:

- 960H Mode** : Push OSD LEFT for 5 seconds
- AHD Mode** : Push OSD RIGHT for 5 seconds
- CVI Mode** : Push OSD UP for 5 seconds
- TVI Mode** : Push OSD DOWN for 5 seconds

## OSD CONTROL

Press the Joystick button on the cable mounted OSD control to access the OSD menu.

In-Line  
Cable Mounted  
OSD Control



## PACKAGE CONTENTS

- (1) Camera
- (1) User Manual
- (1) Mounting Screws
- (1) Camera Bracket

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**OSD MENU TREE**

OSD Menu	Lens		Manual		
	Exposure	Shutter	Auto, FLK, 1/30 ~ 1/50,000, x2 ~ x30		
		AGC	0 ~ 15 Adjustable		
		Sens-up	Off / Auto (x2, x4, x6, x8, x10, x15, x20, x25, x30)		
		Brightness	0 ~ 100 Adjustable		
		D-WDR	Auto / Off / On - 0 ~ 8 Adjustable		
		Defog	Off / Auto - Position/Size, Gradation (1 ~ 2)		
	Backlight			Off	
		BLC	High, Middle, Low - Area Adjustable		
		HSBLC	Display	On/Off 4-Area Position & Size Adjustable	
			Blk. Mask	On/Off	
			Level	0 ~ 100 Adjustable	
	Mode		All Day / Night, 0 ~ 255 Adjustable		
	White Bal	ATW	ATW		
		AWC ->Set	AWC ->Set		
		Indoor	Indoor		
		Outdoor	Outdoor		
		Manual	Red & Blue, 0 ~ 100 Adjustable		
	Day & Night	Color			
		EXT	D->N	3 ~ 60 Adjustable	
			N->D	3 ~ 60 Adjustable	
		Auto	D->N	AGC - 1 ~ 240 Adjustable	
			D->N	Delay - 1 ~ 60 Adjustable	
			N->D	AGC - 1 ~ 240 Adjustable	
			N->D	Delay - 1 ~ 60 Adjustable	
		B&W	Burst,	Off-On	
	IR Smart		Off-On Level & Size Adjustable		
	NR	2DNR	Low, Middle, High, Off		
		3DNR	Low, Middle, High, Off		
	Special	Cam Title			Off / On 15 Characters Available
		D-Effect	Freeze	On/Off	
			Mirror	Mirror / V-Flip / Rotate / Off	
			Neg. Img	On / Off	
		Motion	Off		
			On	4 Area - Sensitivity, Size, Position Color & Transparency Adjustable	
		Privacy	Off		
			On	4 Area - Sensitivity, Size, Position Color & Transparency Adjustable	
		Language	English, French, Spanish, German, Italian, Polish, Russian, Portugese, Netherlands, Turkish, Korea, Japan, Hebrew, Arabic, Chinese 1 & 2		
		Defect	Live DPC		
	White DPC				
	Black DPC				
	Sharpness	Off / Auto (Level 1 ~ 10 Adjustable, Start AGC & End AGC Adjustable)			
	Adjust	Monitor	CRT	Blue & Red Gain 0 ~ 100 Adjustable	
			LCD	Gamma (User, .45 ~ 1.0 Adjustable) / Blue & Red Gain 0 ~ 100 Adjustable	
	LSC	Off / On			
	Video Out	NTSC / PAL			