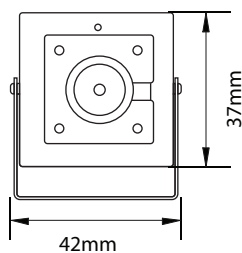


3.6mm Standard or 3.7mm Cone Pinhole Lens

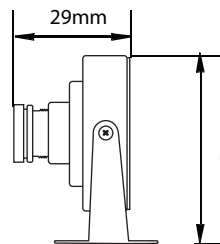
## PRODUCT FEATURES

- Multi Format (TVI, CVI, AHD, 960H)
- Full HD 1080p Resolution
- 3.6mm Standard Lens (HDMC)  
or  
3.7mm Cone Pinhole Lens (HDMCCP)
- 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

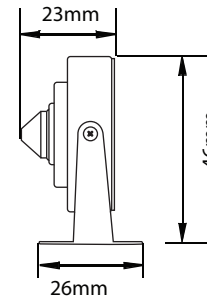


DIMENSIONS (mm)

## CAMERA DIMENSIONS / LINE ART



HDMC



HDMCCP



## SPECIFICATIONS

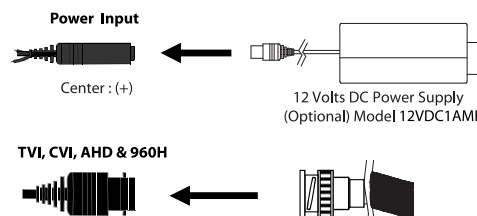
Model No.	HDMC	HDMCCP
Image Sensor	1/2.9" CMOS Sensor	
Total Pixels	1984 x 1225	
Active Pixels	1920 x 1080	
Resolution	1920 x 1080 (1080p)	
Scanning System	Progressive Scan	
OSD (On Screen Display)	Dual OSD Access: Cable Mounted Joystick Controlled UTC Controlled (coaxial control)	
Digital WDR (Wide 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	3.6mm Standard Lens	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 / HSBLC	
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	37 x 37 x 30mm 1.5" x 1.5" x 1.2"	37 x 37 x 23mm 1.5" x 1.5" x 0.9"
Housing / Color	Aluminum / Black	
Weight	0.2lb	
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

3.6mm Standard or 3.7mm Cone Pinhole Lens

**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			