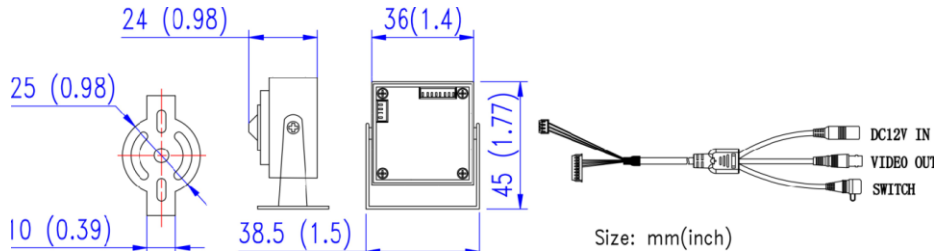


# 1080P HD-TVI/AHD/CVI/ CVBS Mini Camera

Photo 1:



## ● Caution for Installation

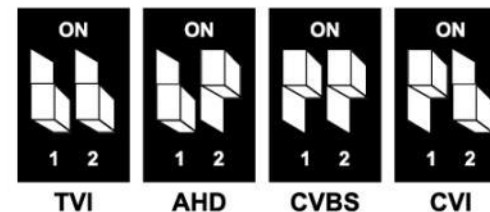
1. In order to prevent electronic shock, don't loosen any screws or covers.
2. Do not directly touch the front glass. If necessary, use a soft cloth moistened with alcohol to wipe off the dust.
3. Avoid places where there are frequent vibrations or shocks.
4. Don't operate the camera beyond its temperature, power source ratings.
5. When any abnormalities happen, make sure to unplug the camera and contact your local dealer.

## ● Specification

Image Sensor	1/2.9" 2.2 Mega Pixels CMOS
Signal System	NTSC/PAL
Picture Elements	1920(H)X1080(V)
Min Illumination	0.1 Lux
S/N Ratio	≥52dB
Lens	3.7mm pin-hole Lens
3D/2D	Support
SENS-UP	Support
White Balance	ATW
Back Light Compensation	Support
DWDR	Support
OSD	With UTC Signal Control
Video Out-put	1 BNC (HD-TVI / AHD/CVI/ CVBS)
Power Supply	DC12V ±10% (Camera Max Consumption 2W)
Dimension	45.0×38.5×24.0mm (1.77"×1.5"×0.98")
Weight	180g
Storage Temperature	-10℃ ~ +60℃
Operating Temperature	-10℃ ~ +50℃

**Remark: Non-regulative adaptor may cause camera damaged**

## ● video signal output switches



# OSD Menu

## MAIN MENU

MAIN MENU			
1. LENS	MANUAL	1 LENS	MANUAL/DC#
2. EXPOSURE	↵	2 EXPOSURE	#
3. BACKLIGHT	OFF	3 BACKLIGHT	OFF/BLC#/HSBLC#
4. WHITE BAL	ATW	4 WHITE BAL	ATW/AWB/AWC-SET/INDOOR/OUTDOOR/ MANUAL#
5. DAY&NIGHT	EXT ↵	5 DAY&NIGHT	AUTO#/COLOR/B/W#/EXT#
6. NR	↵	6 NR	#
7. SPECIAL	↵	7 SPECIAL	#
8. ADJUST	↵	8 ADJUST	#
9. EXIT	SAVE&END ↵	9 EXIT	SAVE&END#/RESET#/NOT SAVE#

## LENS

DC LENS MODE			
1. MODE	INDOOR	1 MODE	INDOOR/OUTDOOR#
2. IRIS SPEED	8	2 IRIS SPEED	0-15
3. RETURN	RET ↵	3 RETURN	RET#

## EXPOSURE

EXPOSURE			
1. SHUTTER	AUTO	1 SHUTTER	AUTO/ 1/30 / 1/60 / FLK / 1/240 / 1/480 / 1/1000 / 1/2000 / 1/5000 / 1/10000 / 1/50000 / X2 / X4 / X8 / X10 / X15 / X20 / X25 / X30
2. AGC	7	2 AGC	0-15
3. SENS-UP	AUTO ↵	3 SENS-UP	AUTO#
4. BRIGHTNESS	56	4 BRIGHTNESS	1-100
5. D-WDR	OFF	5 D-WDR	OFF/AUTO/ON#
6. DEFOG	OFF	6 DEFOG	OFF/AUTO#
7. RETURN	RET ↵	7 RETURN	RET#

## DEFOG

DEFOG			
1. POS/SIZE	↵	1 POS/SIZE	POSITION/SIZE/RET AGAIN
2. GRADATION	0	2 GRADATION	0-2
3. DEFAULT	↵	3 DEFAULT	#
4. RETURN	RET ↵	4 RETURN	RET#

## BACKLIGHT

BLC			
1. LEVEL	MIDDLE	1 LEVEL	MIDDLE/LOW/HIGH
2. AREA	↵	2 AREA	POSITION/SIZE/RET AGAIN
3. DEFAULT	↵	3 DEFAULT	#
4. RETURN	RET ↵	4 RETURN	RET#

## DAY&NIGHT

B/W			
1. BURST	OFF	1 BURST	OFF/ON
2. IR SMART	OFF	2 IR SMART	OFF/ON#
3. RETURN	RET ↵	3 RETURN	RET#

D&N AUTO			
1. D--N (AGC)	18	1 D--N (AGC)	1-255
2. D--N (DELAY)	58	2 D--N (DELAY)	0-60
3. N--D (AGC)	6	3 N--D (AGC)	1-255
4. N--D (DELAY)	45	4 N--D (DELAY)	0-60
5. RETURN	RET ↵	5 RETURN	RET#

## NR

NR			
1. 2DNR	MIDDLE	1 2DNR	HIGH/MIDDLE/LOW/OFF
2. 3DNR	MIDDLE	2 3DNR	HIGH/MIDDLE/LOW/OFF
3. RETURN	RET ↵	3 RETURN	RET#

## SPECIAL

SPECIAL			
1. CAM TITLE	ON ↵	1 CAM TITLE	OFF/ON#
2. D-EFFECT	↵	2 D-EFFECT	FREEZE/MIRROR/NEG.IMAGE/RETURN
3. MOTION	OFF	3 MOTION	OFF/ON#
4. PRIVACY	OFF	4 PRIVACY	OFF/ON#
5. LANGUAGE	ENG ↵	5 LANGUAGE	ENG#/CHN1#/CHN2#/GER#/FRA#/ITA#/ SPA#/POL#/RUS#/POR#/NED#/TUR#
6. DEFECT	↵	6 DEFECT	#
7. RS485	↵	7 RS485	#
8. RETURN	RET ↵	8 RETURN	RET#

## D-EFFECT

D-EFFECT			
1. FREEZE	ON	1 FREEZE	OFF/ON
2. MIRROR	OFF	2 MIRROR	OFF/MIRROR/V-FLIP/ROTATE
3. NEG. IMAGE	OFF	3 NEG. IMAGE	OFF/ON
4. RETURN	RET ↵	4 RETURN	RET#

## DEFECT

DEFECT			
1. LIVE DPC	ON ↵	1 LIVE DPC	OFF/ON
2. WHITE DPC	ON ↵	2 WHITE DPC	OFF/MIRROR/V-FLIP/ROTATE
3. BLACK DPC	ON ↵	3 BLACK DPC	OFF/ON
4. RETURN	RET ↵	4 RETURN	RET#

## ADJUST

ADJUST			
1. SHARPNESS	AUTO ↵	1 SHARPNESS	OFF/AUTO#
2. MONITOR	LCD ↵	2 MONITOR	LCD#/CRT#
3. LSC	ON	3 LSC	OFF/ON
4. VIDEO OUT	PAL	4 VIDEO OUT	NISC/PAL
5. RETURN	RET ↵	5 RETURN	RET#

## EXIT

EXIT			
1. EXIT	RESET ↵	1 EXIT	SAVE&END#/RESET#/NOT SAVE#