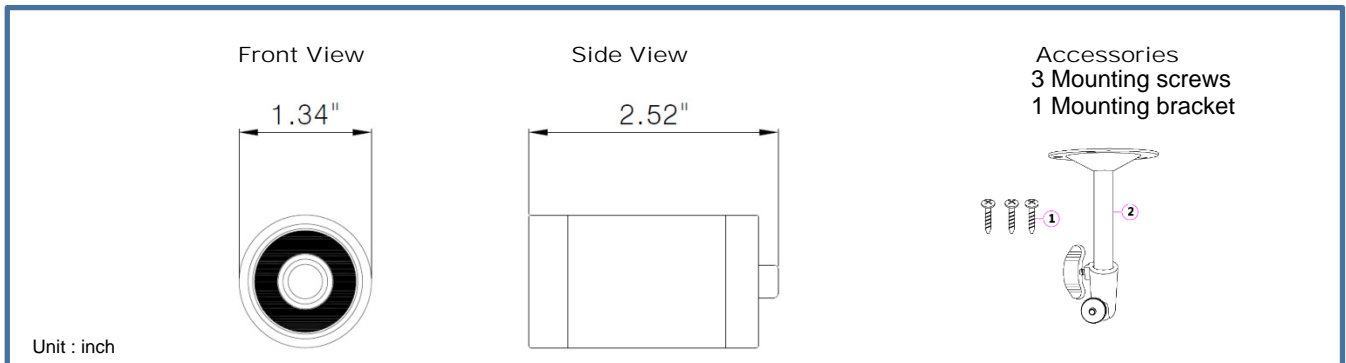


HD-TVI 1080p 2MP Waterproof Bullet Camera
Underwater operation with 30ft. Cable
 UTC, 2BNC out for TVI & CVBS
 CVC620WPT 3.6mm fixed lens, Black housing



DIMENSIONS



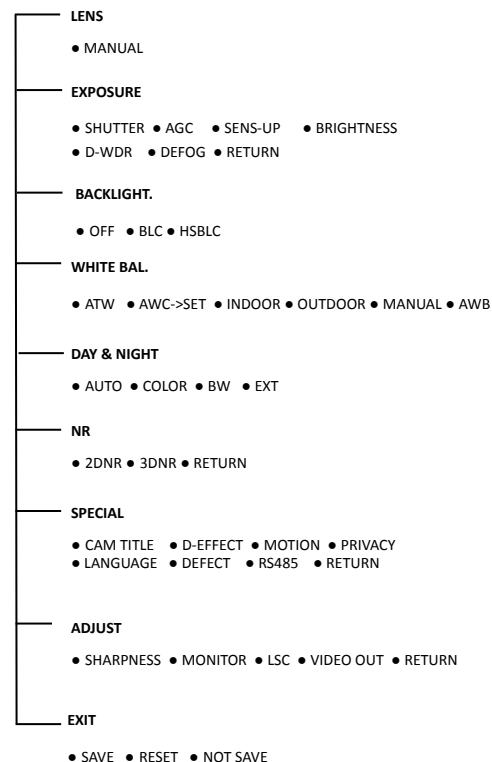
FEATURES

- Full HD resolution over coax (HD-TVI)
- Supports up to Full HD 1080p @ 30fps
- Superior low-light performance
- 3.6mm fixed lens
- Water resistant
- 3-axis bracket for wall and ceiling mounting
- Full OSD operation through UTC (up the coax)
- Additional 960H analog output (BNC out in Yellow)
- 30' of power / video cable included
- 12VDC operation
- IP67 compliant
- 5 year warranty

SPECIFICATIONS

Image Sensor..... 1/3" Progressive Scan CMOS, 2MP
 Minimum Illumination..... 0.001 lux (Sens-up 'On')
 Effective Pixels..... 1984 (H) x 1105 (V)
 Total Pixels..... 2000 (H) x 1121 (V)
 Scanning System..... Progressive
 S/N Ratio..... More than 50dB
 Output Resolution..... 1920x1080 @ 30fps
 Video Output..... 1.0Vp-p / 75 Ohms
 Electronic Shutter..... Auto / Manual (1/30 – 1/30,000 sec.)
 Day / Night..... Auto / Color / BW / External
 Test Monitor Output..... CVBS (BNC out in Yellow)
 Communication..... UTC (up the coax)
 Power..... 12VDC (power supply not included)
 Power Consumption..... 12VDC, 200mA max.
 Operating Temperature.... -20° F – 120° F
 Unit Dimensions..... 2.52" (L) x 1.34" (Dia.) x 3.5" (H)
 Unit Weight..... 10 oz.
 Certifications..... FCC, RoHS
 Signal Distance..... Up to 1600 feet
 (depending on coax quality)*

OSD MENU TREE (through UTC)



OSD MENU Details

**※ OSD Menu available only when using TVI output.
 Not available in standard analog mode.**

1) LENS <MANUAL>

- This model is only for Manual mode.

2) EXPOSURE

<SHUTTER / AGC / SENS-UP / BRIGHTNESS / D-WDR / DEFOG / RETURN>

SHUTTER : Adjust shutter settings in Indoor mode only.

- FLK mode reduces on-screen flickering.
- Electronic Shutter Control(AUTO) adjusts brightness level on screen.
- Manual mode from 1/25~1/50,000 and also X2 ~ X30.

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OSD MENU Details

AGC (Auto Gain Control) : 0~15 Level Adjustable.

- Control Gain Noise to get proper image quality.
- Set AGC Mode as High to get brighter image but more noises of the picture.

SENS-UP : On / Off (X2~X30 Level Adjustable)

- Automatically detect light level and maintains a clear picture.

BRIGHTNESS : Adjust Brightness of the lens (1~100 Steps)

D-WDR : (Digital Wide Dynamic Range) : On / Auto / Off

- To distinguish an object in both bright and dark areas

DEFOG : Auto / Off

- To defog when the video or the weather is foggy.
- Set the desired area and gradation level.

3) BACKLIGHT : Off / BLC / HSBL

BLC : Deliver a distinctive subject and background at the same time, even when the subject is in backlight

HSBL : To mask a strong light at the designated area.

4) WHITE BAL.

<ATW / AWC-SET / INDOOR / OUTDOOR / MANUAL/AWB>

ATW : Auto Tracking White Balance.

- Use this mode when the color temp. is between 1,800~10,000K

AWC->SET :

- To find the optimal setting for current luminance environment in this mode.
Set the point the camera towards a sheet of white paper and press the Joystick S/W. If the environment changes, readjust it.

INDOOR : when the camera is installed indoor.

OUTDOOR : When the camera is installed outside

MANUAL

- To fine-tune White Balance manually. Set White balance first by using ATW or AWC mode before Manual mode. After that, if there is still a white balance issue, switch to manual mode and have a fine-tune. Manual mode allows you to increase or decrease the red or blue factor.

AWB : Auto White Balance

5) DAY / NIGHT <AUTO / COLOR / BW / EXT>

AUTO : No Use for IR cameras.

COLOR : Display always color picture

B/W : Display always B/W picture

- **IR Smart** : Set the level and area to see the IR saturated object.

EXT : Automatic D/N switching by using external signals.

6) NR <2DNR / 3DNR>

- To reduce the background noise in a low luminance environment with 2D + 3D filtering system.

7) SPECIAL

CAM TITLE : To display a title on the monitor.

D-EFFECT : <Freeze / Mirror / Neg. Image / Return>

- Freeze : To hold the image to analyze precisely.
- Mirror : Change the video direction. Mirror / V-Flip
- Neg. Image : On/Off

MOTION :

A signal is generated by the camera whenever motion is detected.

You can define 4 areas and control its sensitivity.

PRIVACY :

To mask area which you want to mask. 4 areas selectable.

LANGUAGE : 12 International OSD languages are supported.

DEFECT : Use this mode when Dead Pixel is occurred.

- Live DPC : It corrects "Dead Pixel" while the camera is activated.
- White DPC : It corrects "White Spot" when the camera is firstly used.
- Black DPC : It corrects "Black Spot" when the camera is firstly used.

8) ADJUST

SHARPNESS : Level Adjustable.

MONITOR : CRT / LCD modes are provided.

LSC : Lens Shading Correction.

VIDEO OUT. NTSC / PAL : Select your TV system and resolution.

9) EXIT



HD-TVI Waterproof Color Camera with 30 ft. Cable

CVC620WPT

3.6mm fixed lens, black housing



Features

- Full HD resolution over coax
- Additional analog output for 960H
- Full OSD operation through onboard UTC (up the coax)
- IP67 compliant, weather resistant
- 5 year warranty



Camera Specifications

Image Sensor	1/3" Sony CMOS, 2MP
Resolution	1920 x 1080
Effective Pixels	1984 (H) x 1105 (V)
Total Pixels	2000 (H) x 1121 (V)
Minimum Illumination	0.001 lux
Scanning System	Progressive
S/N Ratio	More than 50dB
Electronic Shutter	1/30 sec – 1/30,000 sec
Synchronization	Internal
TV System	NTSC
Communication	UTC

Operating Specifications

Power Supply	12VDC (power supply not included)
Power Consumption	200mA
Operation Temperature	-20°F - 120°F
Unit Dimensions	2.52" (L) x 1.34" (Dia.) x 3.5" (H)
Unit Weight	10 oz.
Cable	30' power/video cable included
Included in Package	Main unit, mounting screws, mounting bracket
Signal Distance	1600 ft. (depending on coax quality)

Optional Accessory



PSW5
12VDC
Power Supply