

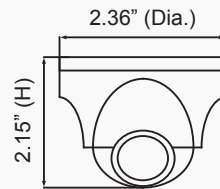
## HD-TVI 4MP Mini-Turret Color Cameras

**HT471TG** 2.9mm fixed lens, dark gray housing

**HT471TW** 2.9mm fixed lens, white housing

### Features

- 1/3" Progressive Scan CMOS, 4MP
- Compact size - only 2.36" in diameter!
- 12 IR LEDs
- Cast aluminum construction
- Signal distance up to 1600 feet\*
- Full OSD operation via UTC (TVI output only)
- Vandal resistant
- IP66 compliant, weather resistant
- 12VDC operation
- 5 year warranty



### Specifications

Image Sensor .....	1/3" Progressive Scan CMOS, 4MP
Resolution .....	2560 x 1440 @ 15fps (default)
Minimum Illumination .....	0.00 lux (IR LED on)
Effective Pixels .....	2184 (H) x 2202 (V)
Total Pixels .....	3096 (H) x 2281 (V)
Electronic Shutter Speed .....	Auto / Manual
Number of IR LEDs .....	12
IR Range .....	35 ft. (depending on scene reflection)
Day/Night .....	Auto / Color / BW / Ext
Scanning System .....	Progressive
Synchronization .....	Internal
Communication .....	UTC
Frequency .....	15.734kHz (H) / 60Hz (V)
Video Output .....	1.0Vp-p / 75 ohms
S/N Ratio .....	More than 50dB
AGC .....	Auto
White Balance .....	Auto
Operating Temperature .....	14° F – 120° F
Power Supply .....	12VDC (power supply not included)
Power Consumption .....	100mA (IR off) / 200mA (IR on)
Certification .....	FCC, RoHS
Dimensions .....	2.36" (Dia.) x 2.15" (H)
Weight .....	10 oz.



*Perfect for use in all vehicles or anywhere that a miniature, aesthetically pleasing, high resolution camera is desired.*

### Optional Accessories



**PSW5**  
12VDC  
Power Supply



**TVIUTPPT**  
HD Video  
Transceiver with  
Pigtail (Balun)



**TVIUTP**  
HD Video  
Transceiver

\*To preserve signal quality and distance, Speco Technologies recommends using coax with a 100% copper center conductor and at least 95% braided copper shield. Speco Technologies is constantly developing and improving products. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Spec Rev. 1/23/19

**HD-TVI 4MP IR Outdoor Mini Turret Camera**  
**Wall/Ceiling Mount, UTC, Multi-Format (TVI, AHD, CVI, CVBS)**  
**HT471TG – Grey, 2.9mm HT471TW – White, 2.9mm**



**DIMENSIONS**

**Front View**

2.36" (Dia.)

2.15" (H)

**Side View**

2.36" (Dia.)

**Accessories**

- 1 Wrench
- 1 Power lead
- 3 Mounting screws

☆ Push 2sec. to change Video format

Unit : inch

**FEATURES**

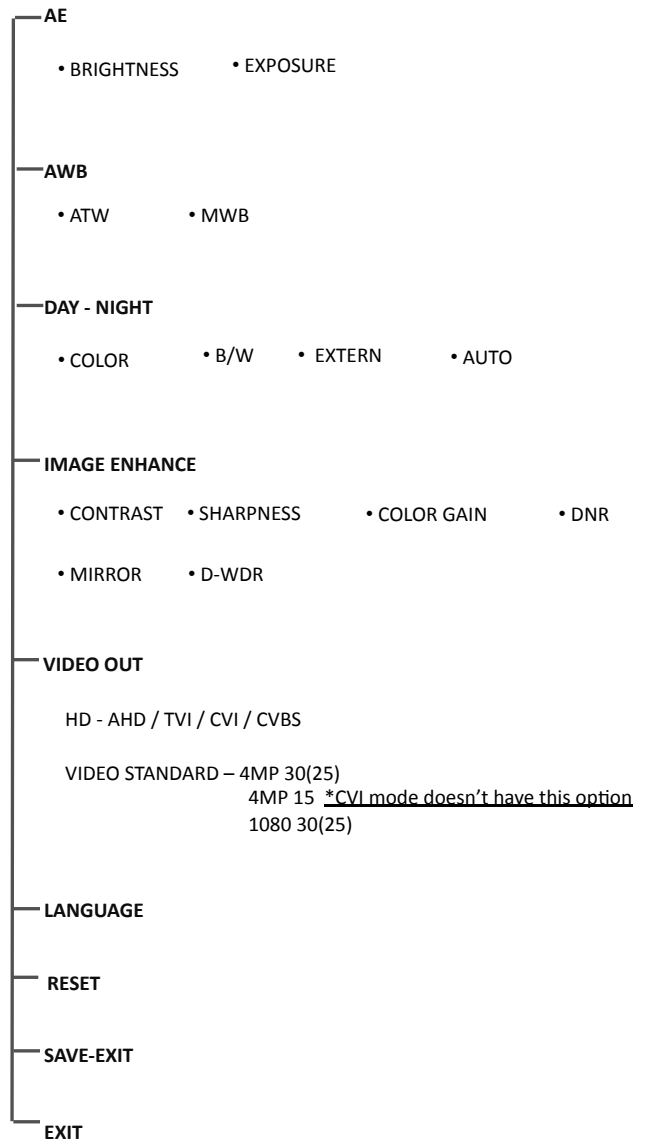
- Quad / Full HD resolution over coax
- Supports 4MP @ 30fps & 15fps (default), 2MP@30fps
- Multi-format HD (TVI - default, CVI, AHD, CVBS)
- True day/night operation – mechanical IR cut filter
- Compact size – only 2.36" in diameter
- 12 IR LEDs (IR range 35')
- Weather (IP66 compliant) / Vandal resistant operation
- 3-axis for wall and ceiling mounting
- Full OSD operation & Video format change through **UTC or Joystick built-in Cable**
- Signal distance up to 1600 feet\*
- 12VDC required
- 5 year warranty

**SPECIFICATIONS**

Image Sensor.....	1/3" Progressive Scan CMOS, 4MP
Minimum Illumination.....	0.00 lux (IR LED on)
IR LED wavelength.....	850nm
Effective Pixels.....	2184 (H) x 2202 (V)
Total Pixels.....	3096 (H) x 2281 (V)
Scanning System.....	Progressive
S/N Ratio.....	More than 50dB
Output Resolution.....	2560 x 1440 @ 30fps & 15fps (default) 1920x1080 @ 30fps
Video Output.....	1.0Vp-p / 75 Ohms (TVI-default / AHD / CVI / CVBS)
Electronic Shutter.....	Auto / Manual (1/30 – 1/30,000 sec.)
Day / Night.....	Auto / Color / BW / External
Power.....	12VDC (power supply not included)
Power Consumption.....	12VDC, 300mA max.
Operating Temperature.....	-4° F – 122° F
Unit Dimensions.....	2.15" (H) x 2.36" (Dia.)
Unit Weight.....	10 oz.
Certifications.....	FCC, RoHS
Signal Distance.....	Up to 1600 feet (depending on coax quality)*

**OSD MENU TREE**

(through UTC or Joystick built-in cable)



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**1) AE**

**BRIGHTNESS** : Adjust Brightness of the lens (1~20)

**EXPOSURE** : GLOBE / CENTER / BLC / FLC

**2) WB**

**ATW** : Auto Tracking White Balance.

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

**MANUAL**

- To fine-tune White Balance manually. Set White balance first by using ATW 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.

**3) DAY / NIGHT**

**AUTO** : No Use for IR cameras.

**COLOR** : Display always color picture

**B/W** : Display always B/W picture

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

**4) IMAGE ENHANCE**

**CONTRAST** (1~50)

**SHARPNESS** : Adjusts sharpness level. Increasing this value, the picture outline becomes stronger and clear. (1~20)

**COLOR GAIN** : Sets the desired Color Gain value (1~31)

**DNR** : To reduce the background noise in a low luminance environment with 2D system.

**DNR** : To Change the video direction horizontally

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

- To distinguish an object in both bright and dare areas.

**5) VIDEO OUT** : To change Video format (TVI/CVI/AHD/CVBS)  
To change frame rate (15/25/30)

**6) LANGUAGE** : 5 International OSD languages are supported.

**7) RESET** : to get all values as factory default values

**8) SAVE-EXIT** : to save current setting values and exit Main Menu

**9) EXIT**

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