

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



200 New Highway, Amityville, NY 11701
 800-645-5516 / www.specotech.com

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

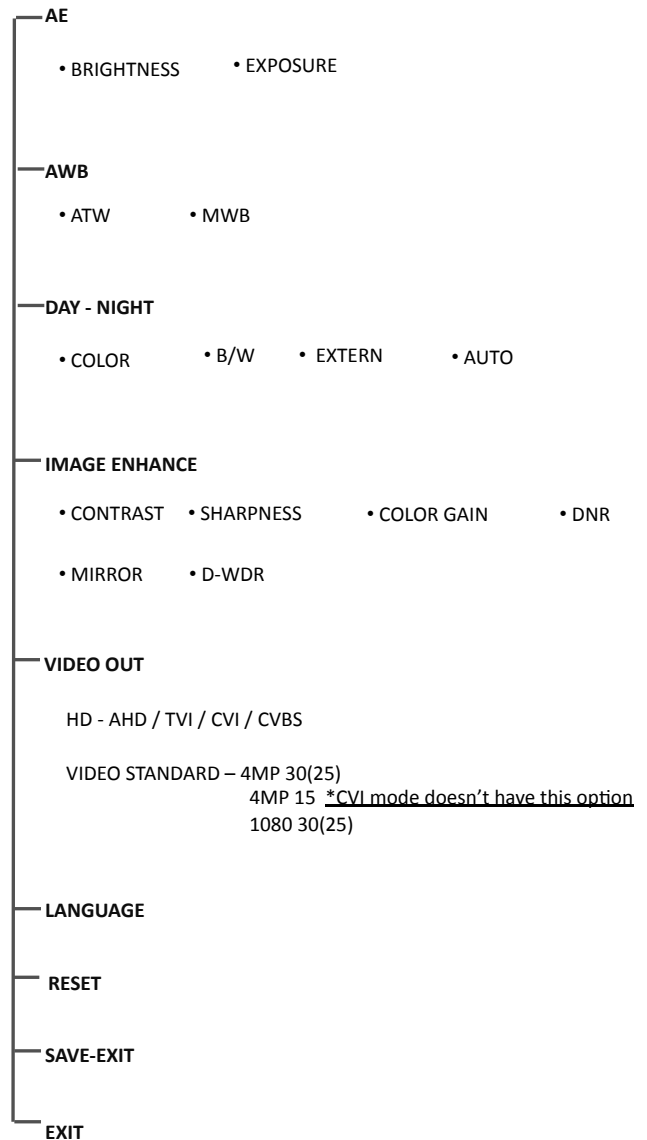
- Quad / Full HD resolution over coax
- Supports 4MP @ 30fps & 15fps (default), 2MP@30fps
- Multi-format HD (TVI - default, CVI, AHD, CVBS)
- True day/night operation – mechanical IR cut filter
- Compact size – only 2.36" in diameter
- 12 IR LEDs (IR range 35')
- Weather (IP66 compliant) / Vandal resistant 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



LIMITED WARRANTY - VIDEO PRODUCTS

THIS WARRANTY IS VALID ONLY ON PRODUCTS PURCHASED AND USED IN THE UNITED STATES OF AMERICA AND CANADA. THIS WARRANTY APPLIES ONLY TO THE ORIGINAL USER.

SUBJECT TO CONDITIONS AND EXCLUSIONS FOUND BELOW, THIS PRODUCT IS WARRANTED AGAINST MANUFACTURING DEFECTS IN MATERIAL AND WORKMANSHIP FOR THE FOLLOWING PERIOD FOR PARTS AND LABOR:

SPECO TECHNOLOGIES CAMERAS.....	5 YEARS	DVRs.....	5 YEARS
SPECO TECHNOLOGIES IP CAMERAS.....	5 YEARS	NVRs.....	5 YEARS
SPECO PTZ.....	1 YEAR	BALANCE OF	
SPECO TECHNOLOGIES MONITORS.....	1 YEAR	SPECO TECHNOLOGIES LINE.....	1 YEAR
IR LEADS.....	90 DAYS		

SPECO TECHNOLOGIES WILL REPAIR OR REPLACE (AT OUR DISCRETION) ANY PARTS FOUND TO BE DEFECTIVE FOR THE WARRANTY PERIOD SPECIFIED. WE WILL PROVIDE A REPLACEMENT FOR ANY DEFECTIVE PART.

CONDITIONS

1. YOU MUST OBTAIN A RETURN AUTHORIZATION (RA) NUMBER FOR ANY MERCHANDISE BEING RETURNED TO SPECO TECHNOLOGIES, WHETHER FOR RETURN/EXCHANGE OR REPAIR, WHETHER IN OR OUT OF WARRANTY.
2. THIS WARRANTY WILL BE HONORED ONLY UPON PRESENTATION OF THE ORIGINAL DATED BILL OF SALE OR SALES SLIP.
3. TRANSPORTATION OF THE PRODUCT TO OUR SERVICE DEPARTMENT IS THE RESPONSIBILITY OF THE USER. REPAIRED OR REPLACED PRODUCT WILL BE RETURNED PREPAID DURING THE WARRANTY PERIOD.
4. SPECO TECHNOLOGIES DOES NOT AUTHORIZE ANY INTERNET OR MAIL ORDER PRODUCT SALES. IF A SPECO TECHNOLOGIES PRODUCT IS PURCHASED FROM AN UNAUTHORIZED DISTRIBUTOR OR OTHER SOURCE, INCLUDING RETAILERS, MAIL ORDER SELLERS AND ONLINE SELLERS, IT WILL NOT BE HONORED OR SERVICED UNDER THE EXISTING SPECO TECHNOLOGIES WARRANTY POLICY. ANY SPECO TECHNOLOGIES PRODUCT PURCHASED FROM THESE ONLINE MERCHANTS WILL VOID THE APPLICABLE WARRANTY AND IS INELIGIBLE FOR TECHNICAL SUPPORT. IF YOU HAVE QUESTIONS ABOUT A RESELLER, PLEASE CONTACT SPECO TECHNOLOGIES AT 1-800-645-5516 FOR A LIST OF UNAUTHORIZED DEALERS. VISIT: www.specotech.com/unauthorized.

EXCLUSIONS

1. THIS WARRANTY SHALL NOT COVER ADJUSTMENT OF CUSTOMER OPERATED CONTROLS AS EXPLAINED IN THE APPROPRIATE MODEL'S INSTRUCTION MANUAL OR PRODUCTS WHICH HAVE BEEN ALTERED, ABUSED, OR HAVE MISSING OR ALTERED SERIAL NUMBERS.
 2. THIS WARRANTY SHALL NOT APPLY TO UNCRATING, SETUP, INSTALLATION, OR THE REMOVAL AND REINSTALLATION OF PRODUCTS AFTER REPAIR.
 3. THIS WARRANTY SHALL NOT APPLY TO REPAIRS OR REPLACEMENTS NECESSITATED BY ANY CAUSE BEYOND THE RESULT OF MANUFACTURE INCLUDING, BUT NOT LIMITED TO, ANY MALFUNCTION, DEFECTS OR FAILURE CAUSED BY OR RESULTING FROM UNAUTHORIZED SERVICE OR PARTS, IMPROPER MAINTENANCE, MODIFICATION OR REPAIR BY THE USER, ABUSE, MISUSE, NEGLIGENCE, ACCIDENT, FIRE, FLOOD, OR OTHER ACTS OF NATURE, INCORRECT LINE VOLTAGE, DAMAGE OR IMAGE BURNS TO TELEVISION PICTURE TUBES CAUSED BY OR ATTRIBUTABLE TO THE USE OF ANY ACCESSORY, ELECTRONICS GAME OR DEVICE, OR DAMAGE CAUSED TO IMAGE PICKUP DEVICES BY EXCESSIVE LIGHT.
- THE FOREGOING IS IN LIEU OF ALL OTHER EXPRESSED WARRANTIES AND WE DO NOT AUTHORIZE ANY PARTY TO ASSUME FOR US ANY OTHER OBLIGATION OR LIABILITY. IN NO EVENT SHALL WE BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM THE USE OF THIS PRODUCT, OR FOR ANY DELAY IN THE USE OF THIS PRODUCT DUE TO CAUSES BEYOND OUR CONTROL. SOME STATES DO NOT ALLOW LIMITATIONS OF HOW LONG AN IMPLIED WARRANTY LASTS AND/OR DO NOT ALLOW THE EXCLUSION OR LIMITATION OF CONSEQUENTIAL DAMAGES. THE ABOVE LIMITATIONS ON IMPLIED WARRANTY AND CONSEQUENTIAL DAMAGES MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU MAY HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

NOTE: FOR YOUR PROTECTION IN THE EVENT OF THEFT OR LOSS OF THIS PRODUCT, PLEASE FILL IN THE INFORMATION REQUESTED BELOW AND RETAIN WITH YOUR SALES RECEIPT.

MODEL NO.: _____ SERIAL NO.: _____
 (LOCATED ON BACK OR BOTTOM OF UNIT)
 DATE OF PURCHASE: _____
 WHERE PURCHASED: _____ PURCHASE PRICE: _____

Speco Technologies 200 New Highway Amityville, NY 11701 www.specotech.com	FOR MORE INFORMATION REGARDING SERVICE OR RETURN, CALL US TOLL FREE: 1-800-645-5516 IN METRO NY: 631-957-8700
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ALWAYS USE DISCRETION WHEN INSTALLING VIDEO AND/OR AUDIO SURVEILLANCE EQUIPMENT ESPECIALLY WHEN THERE IS AN EXPECTATION OF PRIVACY. INQUIRE REGARDING FEDERAL, STATE AND/OR LOCAL REGULATIONS APPLICABLE TO THE LAWFUL INSTALLATION OF VIDEO AND/OR AUDIO RECORDING OR SURVEILLANCE EQUIPMENT. PARTY CONSENT MAY BE REQUIRED.

Speco Technologies is constantly developing product improvements. We reserve the right to modify product design and specifications without notice and without incurring any obligation. Rev. 181101