

# Intensifier T® Series HD-TVI 1080p 2MP Outdoor Bullet Camera

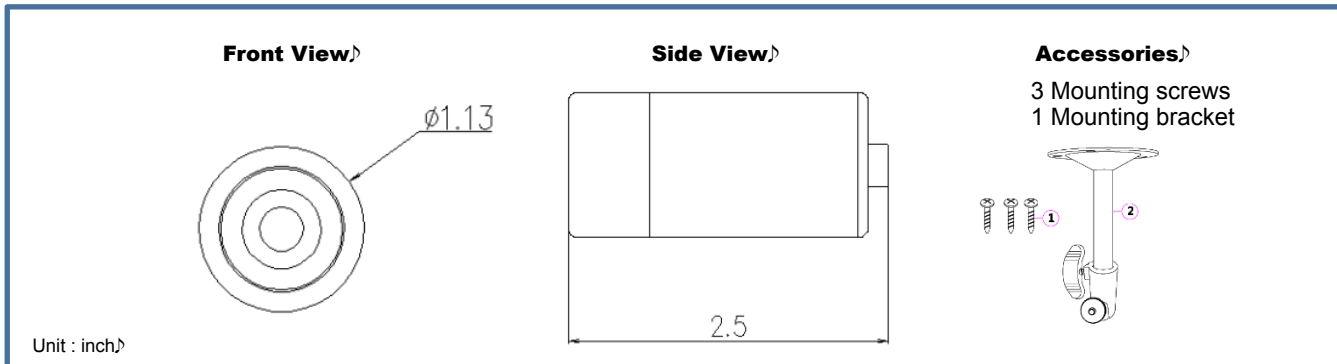
## Weatherproof, UTC, 2BNC out for TVI & CVBS

**HINT637T**      3.6mm fixed lens, dark grey housing



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

### DIMENSIONS



### FEATURES

- PRESET (Indoor/Outdoor/Lowlight/Hallway/Lobby/Elevator)
- Full HD resolution over coax (HD-TVI)
- Supports up to Full HD 1080p @ 30fps
- Superior low-light performance
- 3.6mm fixed lens
- 3-axis bracket for wall and ceiling mounting
- Full OSD operation through UTC (up the coax)  
or Joystick built-in cable
- Additional 960H analog output (BNC out in Yellow)
- Signal distance up to 1600 feet\*
- 12VDC operation
- IP66 compliant (Weather resistant)
- 5 year warranty

### SPECIFICATIONS

Image Sensor.....	1/3" Progressive Scan CMOS, 2MP
Minimum Illumination.....	0.001 lux (INTENSIFY '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.....	14° F – 120° F
Unit Dimensions.....	1.13" (Dia.) x 2.5" (H)
Unit Weight.....	4 oz.
Certifications.....	FCC, RoHS
Signal Distance.....	Up to 1600 feet (depending on coax quality)*

### OSD MENU TREE

(through UTC or Joystick built-in cable)

#### PRESET MODE

• INDOOR • OUTDOOR • LOW LIGHT • HALLWAY • LOBBY • ELEVATOR

#### MAIN SETUP

LENS	• MANUAL
EXPOSURE	• SHUTTER • AGC • INTENSIFY • BRIGHTNESS • WDR • DEFOG • RETURN
BACKLIGHT.	• OFF • BLC • HSBLC
WHITE BAL.	• ATW • AWC->SET • INDOOR • OUTDOOR • MANUAL • AWB
DAY & NIGHT	• AUTO • COLOR • BW • EXT
SPECO DNR	• 2DNR • 3DNR • RETURN
SPECIAL	• CAM TITLE • D-EFFECT • MOTION • PRIVACY • LANGUAGE • DEFECT • RS485 • RETURN
ADJUST	• SHARPNESS • MONITOR • LSC • VIDEO OUT • RETURN
EXIT	• SAVE • RESET • NOT SAVE

### OSD MENU Details

#### 1) LENS <MANUAL>

- This model is only for Manual mode.

#### 2) EXPOSURE

<SHUTTER / AGC / INTENSIFY / BRIGHTNESS / 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 1/30~1/50,000 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.

**INTENSIFY** : On / Off (X2~X30 Level Adjustable)

- Automatically detect light level and maintains a clear picture.

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

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

- To distinguish an object in both bright and dare 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) SPECO DNR <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



### 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.....	3 YEARS
SPECO TECHNOLOGIES IP CAMERAS.....	2 YEARS	NVRs.....	3 YEARS
SPECO PTZ AND VL CAMERAS.....	1 YEAR	BALANCE OF	
SPECO TECHNOLOGIES MONITORS.....	1 YEAR	SPECO TECHNOLOGIES LINE.....	1 YEAR
IR LEDS.....	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](http://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](http://www.specotech.com)

FOR MORE INFORMATION REGARDING SERVICE OR RETURN,  
CALL US TOLL FREE: 1-800-645-5516 IN METRO NY: 631-957-8700

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.

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