

TVT-5301/TVT-5302/TVT-5303 H.264 IP 2MPX Turret Camera A&E Specifications

- A. The TVT-5301/TVT-5302/TVT-5303 IP 2MPX turret camera shall capture, encode and transmit video over a network.
- B. TVT-5301/TVT-5302/TVT-5303 shall be as manufactured by Interlogix.
- C. The TVT-5301/TVT-5302/TVT-5303 shall support the encoding of all images with a digital watermark. The verification of watermarked images shall reside solely with the manufacturer.
- D. TVT-5301/TVT-5302/TVT-5303 shall include, but not be limited to the following:
1. TVT-5301/TVT-5302/TVT-5303 shall provide network connections for the purpose of allowing users to integrate it with network storage products.
 - a. TVT-5301/TVT-5302/TVT-5303 shall provide 1/3" Progressive Scan CMOS sensor.
 - b. TVT-5301/TVT-5302/TVT-5303 shall provide digital encoded video stream.
 2. TVT-5301/TVT-5302/TVT-5303 shall support PoE (802.3af) power supply.
 3. TVT-5301/TVT-5302/TVT-5303 shall provide IR Cut filter.
 4. TVT-5301/TVT-5302/TVT-5303 shall provide infrared LED.
 5. TVT-5301/TVT-5302/TVT-5303 shall provide 2.8mm fixed lens.
 6. TVT-5301/TVT-5302/TVT-5303 shall provide 3D noise reduction function.
 7. TVT-5301/TVT-5302/TVT-5303 shall provide dual streams.
 8. TVT-5301/TVT-5302/TVT-5303 shall incorporate Triplex functionality for simultaneous viewing, playback and recording (By web browser).
 9. TVT-5301/TVT-5302/TVT-5303 shall include search capabilities by web browser:
 - a. Time
 - b. Date
 10. TVT-5301/TVT-5302/TVT-5303 shall provide a frame rate of 30 frames per second @ 60Hz (25 frames per second @ 50Hz) at the resolution of 1920x1080.
 11. TVT-5301/TVT-5302/TVT-5303 shall be user configured via Ethernet with a personal computer running included, and a current version of the Internet Explorer web browser.
 - a. TVT-5301/TVT-5302/TVT-5303 shall have an integrated web client interface to configure, upgrade, and view the following information:
 - i) View live and recorded video
 - ii) View logs of system
 - iii) Configure system settings, which include network settings, and network HDD settings
 - iv) Configure camera settings and user settings
 - v) View the system information
 - b. Access to menus shall be set by user status.

- i) Operator status shall grant access to change the configuration of his/her own account, and cannot create or delete other users.
 - ii) Viewer status shall grant access to live view, playback modes as well as log search.
 - iii) Admin status shall grant access to all menus.
- c. Configurable options shall include:
- i) Search
 - a) Date
 - b) Time
 - ii) Archive
 - iii) Display
 - a) Time/Date
 - b) Playback Time/Date
 - c) Camera Titles
 - d) Text Insertion
 - iv) 4) Users
 - a) Add User
 - b) Edit User
 - v) 5) Cameras
 - a) Resolution, frame rate and bit rate
 - b) Motion Detection
 - c) Camera Title and Date/Time
 - d) Record Schedule
 - vi) 6) Image
 - a) Brightness
 - b) Contrast
 - c) Saturation
 - d) Sharpness
 - e) Iris Mode
 - f) Exposure Time
 - g) Gain
 - h) Video Standard
 - i) Smart IR
 - j) IR Light
 - k) Day/Night Switch
 - l) Sensitivity
 - m) Switch Time
 - n) WDR
 - o) BLC Area
 - p) White Balance
 - q) Digital Noise Reduction

- r) Noise Reduction Level
- s) Mirror
- t) Hallway View
- u) Capture Mode
- v) Local Output
- vii) Alarms
 - a) System Notification
 - 1) HDD Error
 - 2) HDD Full
 - 3) Network Disconnected
 - 4) IP Address conflicted
 - 5) Invalid Login
- viii) IP Settings
 - a) Basic Settings
 - b) DDNS
 - c) PPPoE
 - d) SNMP
 - e) 802.1X
 - f) QoS
 - g) FTP
 - h) UPnP
 - i) Email
 - j) NAT
 - k) HTTPS

E. The IP turret camera shall have the following operational features:

1. Streaming

- a. Each TVT-5301/TVT-5302/TVT-5303 shall support Video Streaming, which is the process that the recorder uses to listen on a specific UDP/TCP port and respond to control messages issued through web client software or third-party compatible VMS software.
 - i) TVT-5301/TVT-5302/TVT-5303 shall support multicasting to deliver source traffic to multiple receivers using the least amount of network bandwidth.
- b. TVT-5301/TVT-5302/TVT-5303 shall be able to display and record streamed video using TCP or UDP protocols.
- c. TVT-5301/TVT-5302/TVT-5303 shall support PSIA and ONVIF protocols.

2. Recording

- a. TVT-5301/TVT-5302/TVT-5303 shall record video on NAS.
- b. TVT-5301/TVT-5302/TVT-5303 shall support the following user programmable record speeds:
 - i) 30/25 fps
 - ii) 22 fps
 - iii) 20 fps

- iv) 18 fps
- v) 16 fps
- vi) 15 fps
- vii) 12 fps
- viii) 10 fps
- ix) 8 fps
- x) 6 fps
- xi) 4 fps
- xii) 2 fps
- xiii) 1 fps
- xiv) 1/2 fps
- xv) 1/4 fps
- xvi) 1/8 fps
- xvii) 1/16 fps

- c. TVT-5301/TVT-5302/TVT-5303 shall support the following bit rate:
256 kbps to 16 Mbps, or user-defined
- d. TVT-5301/TVT-5302/TVT-5303 shall allow the user to select whether the network hard disk recording should automatically overwrite data and how using one of two settings:
 - i) No overwrite
 - ii) Continuous overwrite
- e. TVT-5301/TVT-5302/TVT-5303 shall be able to continue recording without disruption when the user adjusts the normal record speed.
- f. The user shall be able to play back videos smoothly at normal or fast speeds and in forward mode, without distortion.
- g. TVT-5301/TVT-5302/TVT-5303 shall include a Search Interface feature that allows the user to search the network hard disk for recorded videos.
- h. TVT-5301/TVT-5302/TVT-5303 shall use H264 video compression to achieve extremely high video compression per megabyte on the hard disk.
 - i) Image quality shall be user-selectable when the bit rate type is variable, on a scale of 1 through 6.
 - ii) Resolution shall be 1920×1080, 1280×960, 1280×720, 640×360 and 352×240.

3. Connections

- a. TVT-5301/TVT-5302/TVT-5303 shall include the following connectors:
 - i) 1, RJ45 10 M / 100 M adaptive Ethernet port

4. Ethernet communications

- a. TVT-5301/TVT-5302/TVT-5303 shall support LAN/WAN Ethernet access.
- b. TVT-5301/TVT-5302/TVT-5303 shall support 10/100 Base T networks.
- c. TVT-5301/TVT-5302/TVT-5303 shall support Dynamic IP Addressing (DHCP).
- d. TVT-5301/TVT-5302/TVT-5303 shall support Dynamic Domain Name Server (DDNS).

F. TVT-5301/TVT-5302/TVT-5303 shall have the following additional specifications:

1. Electrical

- a. Power supply: 12 VDC ± 15%, PoE (IEEE 802.3af)
- 2. Environmental
 - a. Operating temperature range: -30 to +60 °C
 - b. IP 66
- 3. Physical
 - a. Dimensions: Ø127 x 97.5 mm
 - b. Weight: 548 g
- G. TVT-5301/TVT-5302/TVT-5303 shall conform to these internationally recognized compliance standards:
 - 1. FCC
 - 2. CE
 - 3. UL
 - 4. REACH
 - 5. RoHS
 - 6. WEEE

Contacting Support

North America:

855-286-8889

techsupport@interlogix.com

Latin America:

561-998-6114

latam@interlogix.com

Web site:

www.interlogix.com/customer-support

EMEA:

See specific country listings at:

www.utcssecurityproducts.eu/support