

TVB-5301 H.264 IP 2MPX Bullet Camera A&E Specifications



# The TVB-5301 IP 2MPX bullet camera shall capture, encode and transmit video over a network.

# TVB-5301 shall be as manufactured by Interlogix.

# The TVB-5301 shall support the encoding of all images with a digital watermark. The verification of watermarked images shall reside solely with the manufacturer.

# TVB-5301 shall include, but not be limited to the following:

## TVB-5301 shall provide network connections for the purpose of allowing users to integrate it with network storage products.

### TVB-5301 shall provide 1/3” Progressive Scan CMOS sensor.

### TVB-5301 shall provide digital encoded video stream.

## TVB-5301 shall support PoE (802.3af) power supply.

## TVB-5301 shall provide IR Cut filter.

## TVB-5301 shall provide infrared LED.

## TVB-5301 shall provide 4mm fixed lens.

## TVB-5301 shall provide 3D noise reduction function.

## TVB-5301 shall provide reset button.

## TVB-5301 shall provide dual streams.

## TVB-5301 shall incorporate Triplex functionality for simultaneous viewing, playback and recording (by web browser).

## TVB-5301 shall include search capabilities by web browser:

### Time

### Date

## TVB-5301 shall provide a frame rate of 30 frames per second @ 60 Hz (25 frames per second @ 50 Hz) at the resolution of 1920×1080.

## TVB-5301 shall be user configured via Ethernet with a personal computer running included, and a current version of the Internet Explorer web browser.

### TVB-5301 shall have an integrated web client interface to configure, upgrade, and view the following information:

#### View live and recorded video

#### View logs of system

#### Configure system settings, which include network settings and network HDD settings

#### Configure camera settings and user settings

#### View the system information

### Access to menus shall be set by user status.

#### Operator status shall grant access to change the configuration of his/her own account, and cannot create or delete other users.

#### Viewer status shall grant access to live view, playback modes as well as log search.

#### Admin status shall grant access to all menus.

### Configurable options shall include:

#### Search

##### Date

##### Time

#### Archive

#### Display

##### Time/Date

##### Playback Time/Date

##### Camera Titles

##### Text Insertion

#### 4) Users

##### Add User

##### Edit User

#### 5) Cameras

##### Resolution, frame rate and bit rate

##### Motion Detection

##### Camera Title and Date/Time

##### Record Schedule

#### 6) Image

##### Brightness

##### Contrast

##### Saturation

##### Sharpness

##### Iris Mode

##### Exposure Time

##### Gain

##### Video Standard

##### Smart IR

##### IR Light

##### Day/Night Switch

##### Sensitivity

##### Switch Time

##### WDR

##### BLC Area

##### White Balance

##### Digital Noise Reduction

##### Noise Reduction Level

##### Mirror

##### Hallway View

##### Capture Mode

##### Local Output

#### Alarms

##### System Notification

###### HDD Error

###### HDD Full

###### Network Disconnected

###### IP Address conflicted

###### Invalid Login

#### IP Settings

##### Basic Settings

##### DDNS

##### PPPoE

##### SNMP

##### 802.1X

##### QoS

##### FTP

##### UPnP

##### Email

##### NAT

##### HTTPS

# The IP bullet camera shall have the following operational features:

## Streaming

### Each TVB-5301 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.

#### TVB-5301 shall support multicasting to deliver source traffic to multiple receivers using the least amount of network bandwidth.

### TVB-5301 shall be able to display and record streamed video using TCP or UDP protocols.

### TVB-5301 shall support PSIA and ONVIF protocols.

## Recording

### TVB-5301 shall record video on NAS.

### TVB-5301 shall support the following user programmable record speeds:

#### 30/25 fps

#### 22 fps

#### 20 fps

#### 18 fps

#### 16 fps

#### 15 fps

#### 12 fps

#### 10 fps

#### 8 fps

#### 6 fps

#### 4 fps

#### 2 fps

#### 1 fps

#### 1/2 fps

#### 1/4 fps

#### 1/8 fps

#### 1/16 fps

### TVB-5301 shall support the following bit rate: 256 kbps to 16 Mbps, or user-defined

### TVB-5301 shall allow the user to select whether the network hard disk recording should automatically overwrite data and how using one of two settings:

#### No overwrite

#### Continuous overwrite

### TVB-5301 shall be able to continue recording without disruption when the user adjusts the normal record speed.

### The user shall be able to play back videos smoothly at normal or fast speeds and in forward mode, without distortion.

### TVB-5301 shall include a Search Interface feature that allows the user to search the network hard disk for recorded videos.

### TVB-5301 shall use H264 video compression to achieve extremely high video compression per megabyte on the hard disk.

#### Image quality shall be user-selectable when the bit rate type is variable, on a scale of 1 through 6.

#### Resolution shall be 1920×1080, 1280×960, 1280×720, 640×360 and 352×240.

## Connections

### TVB-5301 shall include the following connectors:

#### 1, RJ45 10 M / 100 M adaptive Ethernet port

## Ethernet communications

### TVB-5301 shall support LAN/WAN Ethernet access.

### TVB-5301 shall support 10/100 Base T networks.

### TVB-5301 shall support Dynamic IP Addressing (DHCP).

### TVB-5301 shall support Dynamic Domain Name Server (DDNS).

# TVB-5301 shall have the following additional specifications:

## Electrical

### Power supply: 12 VDC ± 15%, PoE (IEEE 802.3af)

## Environmental

### Operating temperature range: -30 to +60 °C

### IP 66

## Physical

### Dimensions: Φ 60 × 153 mm

### Weight: 373 g

# TVB-5301 shall conform to these internationally recognized compliance standards:

## FCC

## CE

## UL

## REACH

## RoHS

## WEEE

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See specific country listings at:

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