

TVC-M3245E-2M-N(-P) H.264 IP 3MPX WDR Bullet Camera A&E Specifications



# The TVC-M3245E-2M-N(-P) IP 3MPX WDR Bullet camera shall capture, encode and transmit video over a network.

# TVC-M3245E-2M-N(-P) shall be as manufactured by Interlogix.

# The TVC-M3245E-2M-N(-P) shall support the encoding of all images with a digital watermark. The verification of watermarked images shall reside solely with Interlogix.

# TVC-M3245E-2M-N(-P) shall include, but not be limited to the following:

## TVC-M3245E-2M-N(-P) shall provide network connections for the purpose of allowing users to integrate it with network storage products.

### TVC-M3245E-2M-N(-P) shall provide 1/3” Progressive Scan CMOS sensor.

### TVC-M3245E-2M-N(-P) shall provide digital encoded video stream.

## TVC-M3245E-2M-N(-P) shall support PoE (IEEE 802.3af) power supply.

## TVC-M3245E-2M-N(-P) shall provide infrared LED.

## TVC-M3245E-2M-N(-P) shall provide IR Cut filter.

## TVC-M3245E-2M-N(-P) shall provide WDR.

## TVC-M3245E-2M-N(-P) shall provide 2.7 – 9 mm @ F1.6 motorized lens with zoom function.

## TVC-M3245E-2M-N(-P) shall provide 3D noise reduction function.

## TVC-M3245E-2M-N(-P) shall provide dual streams.

## TVC-M3245E-2M-N(-P) shall incorporate Triplex functionality for simultaneous viewing, recording and playback. (By a web browser).

## TVC-M3245E-2M-N(-P) shall include search capabilities by a web browser:

### Time

### Date

## TVC-M3245E-2M-N(-P) shall provide a frame rate of 30 frames per second @ 60Hz (25 frames per second @ 50Hz) at the resolution of 1920X1080.

## TVC-M3245E-2M-N(-P) shall be user configured via Ethernet with a personal computer running included, and a current version of the Internet Explorer web browser.

### TVC-M3245E-2M-N(-P) 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, record and playback modes as well as take snapshots, but neither change configuration settings nor search the logs for events.

#### 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

#### Users

##### Add User

##### Edit User

#### Cameras

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

##### Motion detection

##### Camera Title and Date/Time

##### Record schedule

#### Image

##### Brightness

##### Contrast

##### Video saturation

##### Hue

##### Sharpness

##### Shutter Speed

##### Iris Mode

##### Power Mode

##### IR Mode

##### Day/Night

##### IR Cut Delay

##### Image flip

##### WDR

##### White balance

##### SceneMode

#### Alarms

System Notification

##### HDD Error

##### HDD Full

##### Network Disconnected

##### IP Address conflicted

##### Illegal Login

#### IP Settings

##### Basic Settings

##### PPPoE

##### DDNS

##### Net HDD

##### Email

#### Interface

##### Network RJ-45

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

## Streaming

### Each TVC-M3245E-2M-N(-P) 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.

#### TVC-M3245E-2M-N(-P) shall support multicasting to deliver source traffic to multiple receivers using the least amount of network bandwidth.

### TVC-M3245E-2M-N(-P) shall be able to display and record streamed video using TCP or UDP protocols.

### TVC-M3245E-2M-N(-P) shall support PSIA and ONVIF protocols.

## Recording

### TVC-M3245E-2M-N(-P) shall record video on multiple network hard drives. Network hard disk drive shall be available: NAS

### TVC-M3245E-2M-N(-P) 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

### TVC-M3245E-2M-N(-P) shall support the following bit rate:

32 kbps to 16 Mbps, or user-defined

### TVC-M3245E-2M-N(-P) 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

### TVC-M3245E-2M-N(-P) shall be able to continue recording without disruption when the user adjusts the normal record speed.

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

### TVC-M3245E-2M-N(-P) shall include a Search Interface feature that allows the user to search the network hard disk for recorded videos.

### TVC-M3245E-2M-N(-P) shall use H.264 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 options shall be 2048 x 1536, 1920 x 1080, 1280×960, 1280×720 and 640×480.

## Connections

* + - 1. TVC-M3245E-2M-N(-P) shall include the following connectors:
         1. 1, RJ45 10 M / 100 M adaptive Ethernet port
         2. 1, Video Output, 1Vp-p composite output(75Ω/RCA, for test)

## Ethernet communications

### TVC-M3245E-2M-N(-P) shall support LAN/WAN Ethernet access.

### TVC-M3245E-2M-N(-P) shall support 10/100 Base T networks.

### TVC-M3245E-2M-N(-P) shall support Dynamic IP Addressing (DHCP).

### TVC-M3245E-2M-N(-P) shall support Dynamic Domain Name Server (DDNS).

# TVC-M3245E-2M-N(-P) shall have the following additional specifications:

## Electrical

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

## Environmental

### Operating temperature range: -10 to +60 °C (14 to 140 °F)

### IP 66

## Physical

### Dimensions: 98 × 88.6 × 328.8 mm (3.86” 3.49” × 12.94”)

### Weight: 1700 g (3.75 lbs)

# TVD-M5225E-3M-N(-P) shall conform to these internationally recognized compliance standards:

## FCC

## CE

## UL

## C-Tick

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EMEA:

See specific country listings at:

[www.utcfssecurityproducts.eu/support](http://www.utcfssecurityproducts.eu/support)