**truVision**

# 1080p IP Wi-Fi® Desktop IR Camera

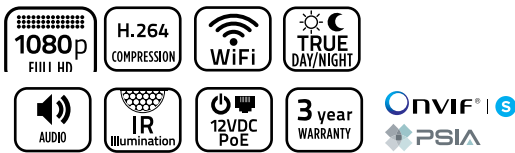| 1080p FULL HD | H.264 COMPRESSION | WiFi | TRUE DAY/NIGHT |
| --- | --- | --- | --- |
| AUDIO | IR Illumination | 12VDC PoE | 3 year WARRANTY |

ONVIF® | S
PSIA

## OVERVIEW

The TruVision® IP Wi-Fi Desktop IR camera by Interlogix brings high-definition 1080p images to the commercial security segment at a low cost. It is designed for use with TruVision Navigator and TruVision recorders.

The Wi-Fi spec is based on the Wi-Fi Standards of IEEE 802.11 b/g/n and operates in the 2.4 GHz range. Transmission rates of up to 150Mbps are supported, and wireless security is achieved via 64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK, and WPS wireless encryption standards.

The Wi-Fi Desktop IR camera also adheres to ONVIF Profile S open communications standards as well as support CGI command set for simple integration into standard IP systems.

## STANDARD FEATURES

**Video**

- 1080p resolution
- H.264 compression technology with dual-streaming capability accommodates multiple settings
- Compatible with TruVision Navigator and TruVision recorders

**Video Enhancement**

- DWDR and/or real-time video streaming up to 1080p resolution to capture fine details
- True day/night functionality and infrared illuminator for capturing images in various lighting scenarios
- Up to 33 ft. (10m) IR range – with on/off settings

**Video Alarms**

- Motion Detection, Tamper Proof and Privacy Masking
- Advanced cross-line and intrusion detection

**Recorded Clips**

- Recorded clips stored onboard using a micro SD/SDXC card (up to 128GB)

**Wireless (Wi-Fi)**

- Supports IEEE 802.11b/g/n Wi-Fi standards
- Frequency range 2.4GHz
- Encryption security support for 64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK and WPS wireless encryption standards

**Environment and Installation**

- FCC, CE and UL
- Magnetic base for flexible installation

**Warranty**

- 3-year warranty
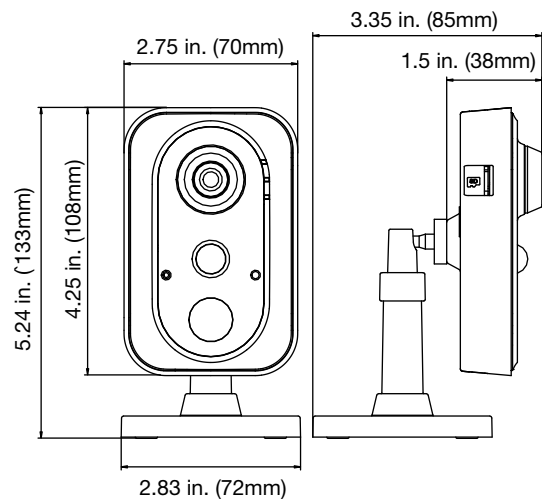
# 1080p IP Wi-Fi® Desktop IR Camera

Works with TruVision® **Navigator**

## Specifications

| PART NO. | TVQ-8101 |
|---|---|
| Description | |

### Housing
| | |
|---|---|
| Color | White |

### Camera
| | |
|---|---|
| Sensor | 1/2.8" |
| Resolution | 1080p |
| Day/Night | IR cut filter with auto-switch |
| IP Compression | H.264 (Main profile) / MJPEG |
| Maximum Resolution (@ fps) | 1920 x 1080 @ 30fps (60Hz), 1920 x 1080 @ 25 fps (50Hz) |
| Maximum Real-time Resolution (@ fps) | 1920 x 1080 @ 30fps (60Hz), 1920 x 1080 @ 25 fps (50Hz) |
| Multiple Streaming | Support dual streams, and sub-stream for mobile surveillance with H.264 and MJPEG with resolution up to 4CIF |
| Video Bit Rate Mainstream | 32 Kbps to 8 Mbps |
| Video Bit Rate Substream | 32 Kbps to 8 Mbps |
| WDR | DWDR (85dB) |
| Digital Noise Reduction | 3D-NR |
| Sensitivity | 0.01 lux @ (f1.2, AGC On), 0 lux @ (IR On) |
| S/N Ratio | 50 dB (AGC Off) |
| Auto Exposure (shutter) | 60 Hz: 1/3s ~ 1/100,000s, 50 Hz: 1/3s ~ 1/100,000 |
| Lens | 2.0mm @f2.0 |
| Focus | Fixed |
| IR Range | Non-visible IR LED with 10 meters |
| IR Wavelength | 850nm |

### Inter-operability
| | |
|---|---|
| Standard | ONVIF® (Profile S), PSIA, CGI |

### Network
| | |
|---|---|
| Network Protocols | TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, SMTP, NTP, UPnP, HTTPS, FTP, Qos, IPv6. Interoperability ONVIF (Profile G/S), PSIA (latest version), CGI, ISAPI |
| Ethernet Port | RJ45 10/100Mbps Auto-negotiate |

### Wireless
| | |
|---|---|
| Wi-Fi Standards | IEEE802.11b, 802.11g, 802.11n |
| Frequency Range | 2.4 GHz ~ 2.4835 GHz (Ch. 1 ~ 11) |
| Channel Bandwidth | 20/40MHz Support |
| Protocols | 802.11b: CCK, QPSK, BPSK; 802.11g/n: OFDM |
| Transmit Output Power | 11b: 17±1.5dBm @ 11Mbps; 11g: 15±1.5dBm @ 54Mbps; 11n: 14±1.5dBm |
| Transfer Rates | 11b: -90dBm @ 11Mbps (Typical); 11g: -75dBm @ 54Mpbs (Typical); 11n: -74dBm (Typical) |
| Wi-Fi Range | ~ 164 ft. (50m) in direct line-of-sight applications |
| Security | 64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK, WPS |

### Local Storage
| | |
|---|---|
| Media | Micro SD/SDXC |
| Capacity | Up to 128GB |

### Audio
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|---|---|
| Input | Built-in |
| Output | Built-in |
| Audio Bit Rate (Protocol) | 64 Kbps (G.711) / 16 Kbps (G.726) / 32-128 Kbps (MP2L2) |

### Camera Alarms
| | |
|---|---|
| Basic | Motion Detection, Tamper Proof, Privacy Masking |
| Advanced | Cross Line, Intrusion Detection |
| I/O Connection | Alarm I/O |

### Display
| | |
|---|---|
| Display Mode | Flipped horizontally (up/down), vertically (right/left) or centered, Hallway view, ROI (Region of Interest) |
| On Screen Display (OSD) | Text overlay |

### Electrical & Mechanical
| | |
|---|---|
| Voltage | 12VDC, PoE (IEEE 802.3-af) |
| Current | 370mA (Max.) |
| Power Consumption | 4.5W (Max.) |
| Dimensions (W x H x D) | 4.25 x 2.75 x 1.5 in. (108 x 70 x 38mm) |
| Weight | 0.5 lbs. (213g) |

### Envir.
| | |
|---|---|
| Storage Temperature | -4°~158°F (-20°~70°C) |
| Operating Temperature | -4°~140°F (-20°~60°C) |

### Reg.
| | |
|---|---|
| Compliance | R&TTE, FCC, CE, UL, RCM, REACH, RoHS, WEEE |

## Ordering Information

| TVQ-8101 | TruVision®, 1080p, NTSC/PAL, Wi-Fi, Indoor Desktop, White, True D/N, H.264, PSIA/ONVIF/CGI, Audio, 10m IR, 2.0mm @ F2.0, PoE/12VDC |
|---|---|

## Dimensional Diagram

3.35 in. (85mm)
2.75 in. (70mm)
1.5 in. (38mm)
5.24 in. (133mm)
4.25 in. (108mm)
2.83 in. (72mm)

**interlogix**
United Technologies