



## C Series

# IT9380-H (3.6 mm)

5MP Outdoor Turret Network  
Camera



## Technical Specifications

| System Information |                                 |
|--------------------|---------------------------------|
| CPU                | Multimedia SoC (System-on-Chip) |
| Flash              | 128 MB                          |
| RAM                | 512 MB                          |

| Camera Specifications   |                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------|
| Image Sensor            | 1/2.7" Progressive CMOS                                                             |
| Max. Resolution         | 2560x1920 (5MP)                                                                     |
| Lens Type               | Fixed-focal                                                                         |
| Focal Length            | f = 3.6 mm                                                                          |
| Aperture                | F2.0                                                                                |
| Iris Type               | Fixed iris                                                                          |
| Field of View           | 76° (Horizontal)<br>59° (Vertical)<br>100° (Diagonal)                               |
| Shutter Time            | 1/5 sec. to 1/32,000 sec.                                                           |
| WDR Technology          | WDR Pro                                                                             |
| Day/Night               | Yes                                                                                 |
| Removable IR-cut filter | Yes                                                                                 |
| Illuminators            | Built-in IR illuminators, effective up to 30 meters with Smart IR, IR LED*2         |
| Minimum Illumination    | 0.03 lux @ F2.0 (Color)<br><0.005 lux @ F2.0 (B/W)<br>0 lux with IR illumination on |
| Pan Range               | 360°                                                                                |

|                               |                                                                                                                       |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Tilt Range                    | 70°                                                                                                                   |
| Rotation Range                | 360°                                                                                                                  |
| Pan/Tilt/Zoom Functionalities | ePTZ: 48x digital zoom (4x on IE plug-in, 12x built-in)                                                               |
| Storage                       | Seamless Recording to MicroSD/SDHC/SDXC card (1TB capacity supported) and recording to network-attached storage (NAS) |

| Video              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Compression        | H.265, H.264, MJPEG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Maximum Frame Rate | 20 fps @ 2560x1920                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Maximum Streams    | 3 video streams (Up to 8 configurable profiles)                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| S/N Ratio          | 67 dB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Dynamic Range      | 120 dB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Video Streaming    | Adjustable resolution, quality and constant bit rate control, Smart Stream III                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Image Settings     | <p>General settings<br/>video title and time stamp overlay, video orientation (flip, mirror, rotation), day/night settings</p> <p>Illuminators<br/>illuminators, anti-overexposure</p> <p>Image settings<br/>white balance, image adjustment (brightness, contrast, saturation, sharpness, gamma curve), defog, 3DNR</p> <p>Exposure<br/>BLC, HLC, exposure control (exposure level, exposure time, gain control), AE speed adjustment, WDR</p> <p>Privacy mask<br/>Scheduled profile settings</p> |

| Audio            |                     |
|------------------|---------------------|
| Audio Capability | One-way Audio       |
| Compression      | G.711, G.726        |
| Interface        | Built-in microphone |
| Effective Range  | 5 meters            |

| Network   |                                                                                                                                                                                                                 |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Users     | Live viewing for up to 10 clients                                                                                                                                                                               |
| Security  | Access list, digest authentication, HTTPS, IEEE 802.1x, password protection, Trend Micro IoT Security (brute force attack event, cyberattack event, quarantine event), user access log, user account management |
| Protocols | 802.1X, ARP, Bonjour, CIFS/SMB, DDNS, DHCP, DNS, FTP, HTTP, HTTPS, ICMP, IGMPv3, IPv4, IPv6, NTP, PPPoE, QoS (CoS/DSCP), RTSP/RTP/RTCP, SMTP, SNMP, SSL, TCP/IP, TLS 1.2, UDP, UPnP                             |
| Interface | 10 Base-T/100 Base-TX Ethernet (RJ-45)<br>*It is highly recommended to use standard CAT5e & CAT6 cables which are compliant with the 3P/ETL standard.                                                           |
| ONVIF     | Profile G, S, T supported, specification available at <a href="http://www.onvif.org">www.onvif.org</a>                                                                                                          |

| Solution Integration   |                                                       |
|------------------------|-------------------------------------------------------|
| Video Motion Detection | Motion Detection (Five-window video motion detection) |

| Alarm and Event |                                                                                                                                                                                                                                                       |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Event Trigger   | Audio detection, camera tampering detection, cybersecurity events (brute force attack event, cyberattack event, quarantine event), manual trigger, motion detection, periodical trigger, recording notification, SD card life expectancy, system boot |
| Event Action    | Event notification via email, HTTP, FTP, NAS server, SD card, push notification<br>File upload via email, HTTP, FTP, NAS server, SD card                                                                                                              |

| General               |                                                                                                                                                                                                                                                                                                                                                            |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Connectors            | RJ-45 cable connector for 10/100 Mbps Network/PoE connection                                                                                                                                                                                                                                                                                               |
| LED Indicator         | -<br>* Hidden system power and status indicator                                                                                                                                                                                                                                                                                                            |
| Power Input           | IEEE 802.3af PoE Class 2                                                                                                                                                                                                                                                                                                                                   |
| Power Consumption     | Max. 6 W/3.31 W (IR on/off)                                                                                                                                                                                                                                                                                                                                |
| Dimensions            | ø 105 x 82.5 mm                                                                                                                                                                                                                                                                                                                                            |
| Weight                | 475 g                                                                                                                                                                                                                                                                                                                                                      |
| Certifications        | <p>EMC<br/>CE (EN 55032 Class B, EN 55024), FCC (FCC Part 15 Subpart B Class B), RCM (AS/NZS CISPR 32 Class B), VCCI (VCCI-CISPR 32 Class B)</p> <p>Safety<br/>UL (UL 62368-1), CB (IEC/EN 62368-1, IEC/EN 60950-22, IEC/EN 62471)</p> <p>Environment<br/>IK10 (IEC 62262), IP66 (IEC 60529)</p> <p>IA<br/>BIS (IS 13252)</p> <p>* IK10(Metal Housing)</p> |
| Operating Temperature | <p>Starting Temperature:<br/>-10°C ~ 60°C (14°F ~ 140°F)</p> <p>Working Temperature:<br/>-20°C ~ 60°C (-4°F ~ 140°F)</p>                                                                                                                                                                                                                                   |
| Humidity              | 90%                                                                                                                                                                                                                                                                                                                                                        |

| System Requirements |                                                     |
|---------------------|-----------------------------------------------------|
| Operating System    | Microsoft Windows 10/8/7<br>Mac 10.12 (Chrome only) |
| Web Browser         | Chrome 58.0 or above<br>Internet Explorer 10/11     |
| Other Players       | VLC: 1.1.11 or above                                |

| Included Accessories |                                                                      |
|----------------------|----------------------------------------------------------------------|
| Packing Contents     | Quick installation guide, alignment sticker, screw pack, cable gland |