VIVOTEK’s IT9389-H is a H.265 outdoor turret network camera equipped with a 5-Megapixel sensor, enabling resolution of 2560x1920 at 30 fps. Featuring VIVOTEK SNV and WDR Pro technology, the IT9389-H is capable of capturing high-quality imagery in both high contrast and low light environments.

The IT9389-H offers a fixed-focal lens of 2.8mm/3.6mm for different user scenarios. No matter the focal length, the camera is equipped with IR illuminators with a 30-meter effective range for better night visibility. To provide reliable coverage in harsh outdoor environments, the IT9389-H is encased in IP66 and IK08 housing.

By employing VIVOTEK’s Smart Stream III technology and H.265 compression, the IT9389-H is able to reduce bandwidth up to 90%* while maintaining supreme image quality. Additionally, VIVOTEK VADP (VIVOTEK Application Development Platform) allows users to customize applications for the ever-expanding number of user scenarios in the diversified surveillance market.

* Depending on scenes

**Key Features**

- H.265 Compression Technology
- 30 fps @ 2560x1920 (WDR Pro on)
- Smart Stream III to Optimize Bandwidth Efficiency
- WDR Pro for Unparalleled Visibility in Extremely Bright and Dark Environments
- SNV (Supreme Night Visibility) for Low Light Conditions
- Built-in IR Illuminators, Effective up to 30 Meters
- Weather-proof IP66-rated and Vandal-proof IK08-rated Housing
- Built-in Microphone
## Technical Specifications

### System Information
- **CPU**: Multimedia SoC (System-on-Chip)
- **Flash**: 128MB
- **RAM**: 512MB

### Camera Features
- **Image Sensor**: 1/2.7” Progressive CMOS
- **Max. Resolution**: 2560x1920 (5MP)
- **Lens Type**: Fixed-focal
  - **Focal Length**:
    - IT9389-H(2.8mm): $f = 2.8$ mm
    - IT9389-H(3.6mm): $f = 3.6$ mm
- **Aperture**: F2.0
- **Iris type**: Fixed-iris
- **Field of View**:
  - IT9389-H(2.8mm):
    - Horizontal: 103°
    - Vertical: 76°
    - Diagonal: 134°
  - IT9389-H(3.6mm):
    - Horizontal: 76°
    - Vertical: 56°
    - Diagonal: 100°
- **Shutter Time**: 1/5 sec. to 1/32,000 sec.
- **WDR Technology**: WDR Pro
- **Day/Night**: Yes
- **Removable IR-cut filter**: Yes
- **IR Illuminators**: Built-in IR Illuminators, effective up to 30 meters with Smart IR, IR LED*2
- **Minimum Illumination**:
  - 0.06 Lux @ F2.0 (Color)
  - 0.01 Lux @ F2.0 (B/W)
  - 0 Lux with IR Illumination on
- **Pan Range**: 359°
- **Tilt Range**: 75°
- **Rotation Range**: 180°
- **Pan/Tilt/Zoom Functionalities**: ePTZ; 48x digital zoom (4x on IE plug-in, 12x built-in)
- **On-board Storage**: Slot type: MicroSD/SDHC/SDXC card slot

### Video
- **Compression**: H.265, H.264, MJPEG
- **Maximum Frame Rate**:
  - 30 fps @ 2560x1920
  - 60 fps @ 1920x1080
- **Maximum Streams**: 3 simultaneous streams
- **S/N Ratio**:
  - IT9389-H(2.8mm): 53dB
  - IT9389-H(3.6mm): 51dB
- **Dynamic Range**: 120 dB
- **Video Streaming**: Adjustable resolution, quality and bitrate, Smart Stream III

### Image Settings
- Time stamp, text overlay, flip & mirror; Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks; Scheduled profile settings, HLC, defog, 3DNR, DIS, video rotation

### Audio
- **Audio Capability**: One-way Audio
- **Compression**: G.711, G.726
- **Interface**: Build-in microphone
- **Effective Range**: 5 meters

### Network
- **Users**: Live viewing for up to 10 clients
- **Protocols**: IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DNSSEC, PPPoE, CoS, GoS, SNMP, 802.1X, UDP, ICMP, ARP, SSL, TLS, CIFS/SMB
- **Interface**: 10 Base-T/100 Base-TX Ethernet (RJ-45)
  - It is highly recommended to use standard CAT5e & CAT6 cables which are compliant with the 3P/ETL standard.
- **ONVIF**: Supported, specification available at www.onvif.org

### Intelligent Video
- **Smart Motion Detection**: Five-window video motion detection, human detection, time filter
- **VCA**: Standard VCA (optional)
  - Including line crossing detection, field detection, loitering detection
- **VADP Package**: Genetec package, Trend Micro IoT Security, Smart Motion Detection, Stratocast(support)

### Alarm and Event
- **Alarm Triggers**: Motion detection, manual trigger, periodical trigger, system boot, recording notification, camera tampering detection, audio detection, MicroSD card life expectancy, Shock Detection
- **Alarm Events**: Event notification using HTTP, SMTP, FTP, NAS server and MicroSD card
  - File upload via HTTP, SMTP, FTP, NAS server and MicroSD card

### General
- **Connectors**: RJ-45 cable connector for Network 10/100 Mbps PoE connection*1
- **LED Indicator**: System power and status indicator
- **Power Input**: IEEE 802.3af PoE Class 0
- **Power Consumption**:
  - Max. 5.5 W (IR on)
  - Max. 4.5 W (IR off)
- **Dimensions**: Ø 122 x 99 mm (w/ mounting bracket)
  - Ø 108 x 79 mm (w/o mounting bracket)
- **Weight**:
  - 392 g (w/ mounting bracket)
  - 332 g (w/o mounting bracket)
- **Casing**: IP66, IK08
Technical Specifications

Safety Certifications
CE, FCC Class A, UL, LVD, VCCI, C-Tick

Operating Temperature
Starting Temperature: -10°C ~ 50°C (14°F ~ 122°F)
Working Temperature: -20°C ~ 50°C (-4°F ~ 122°F)

Humidity
90%

Warranty
36 months

System Requirements

Operating System
Microsoft Windows 8/7
Mac 10.12 (Chrome only)

Web Browser
Chrome 58.0 or above
Internet Explorer 10/11

Other Players
VLC: 1.1.11 or above
QuickTime: 7 or above

Included Accessories
Others: Quick installation guide, alignment sticker, screw pack, mounting bracket

Dimensions

w/o mounting bracket
Ø108 mm
79 mm
w/ mounting bracket
122 mm
99 mm

Compatible Accessories

Mounting Kits
AM-21M
L-shape Bracket
AM-52E
Mounting Adapter

Ordering Information

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Part Number</th>
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<tbody>
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<td>IT9389-H (2.8mm)</td>
<td>5MP, 30fps, 2.8mm, 30M IR, Smart Stream III, Operating Temperature: -20°C ~ 50°C</td>
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