VIVOTEK

V series
IT9389-H
Turret Dome Network Camera

5MP • 30M IR • WDR Pro • SNV • Smart Stream III • IP66 • Turret Dome

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

Easy Installation and Compact Size

Technical Specifications

Model	IT9389-H (2.8mm) IT9389-H (3.6mm)

System Information

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

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): 103° (Horizontal) 76° (Vertical) 134° (Diagonal) IT9389-H (3.6mm): 76° (Horizontal) 56° (Vertical) 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	0.06 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)
Storage	Seamless Recording to MicroSD/SDHC/SDXC card and recording to network-attached storage (NAS)

Video

Compression	H.265, H.264, MJPEG
Maximum Frame Rate	30 fps @ 2560x1920 60 fps @ 1920x1080
Maximum Streams	3 video streams (Up to 8 configurable profiles)
S/N Ratio	IT9389-H (2.8mm): 53 dB IT9389-H (3.6mm): 51 dB
Dynamic Range	120 dB

Video Streaming	Adjustable resolution, quality and bitrate, Smart Stream III
Image Settings	General settings: video title and time stamp overlay, video orientation (flip, mirror, rotation), day/night settings; Illuminators: illuminators, anti-overexposure; Image settings: white balance, image adjustment (brightness, contrast, saturation, sharpness, gamma curve), defog, 3DNR, HLM, DIS, scene mode (auto, deblur); Exposure: BLC, HLC, exposure control, AE speed adjustment, WDR; Privacy mask; Scheduled profile settings

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
Security	Access list, digest authentication, HTTPS , IEEE 802.1x, Password protection, signed firmware, 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) *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 www.onvif.org

Solution Integration

Smart Motion Detection	Five-window video motion detection, human detection, time filter
Smart VCA	Intrusion detection, loitering detection, line crossing detection, unattended object detection, missing object detection, face detection, crowd detection, running detection
VADP Package	Deep Learning VCA (Smart Motion Detection, Smart VCA), Trend Micro IoT Security (3-year free trial)

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, shock detection, system boot
Event Action	Event notification via email, HTTP, FTP, NAS server, SD card File upload via email, HTTP, FTP, NAS server, SD card

Technical Specifications

General

Connectors	RJ-45 cable connector for Network 10/100 Mbps PoE connection
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)
Certifications	EMC: CE (EN 55032 Class B, EN 55024), FCC (FCC Part 15 Subpart B Class B), VCCI (VCCI-CISPR 32 Class B); Safety: UL (UL 62368-1), CB (IEC/EN 62368-1, IEC/EN 60950-22, IEC/EN 62471); Environment: IK08 (IEC 62262), IP66 (IEC 60529); IA: BIS (IS 13252)
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

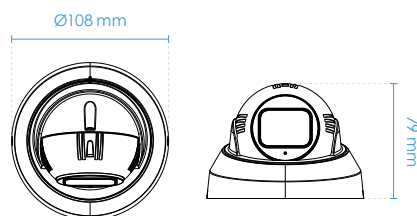|	
Operating System	Microsoft Windows 10/8/7 Mac 10.12 (Chrome only)
Web Browser	Chrome 58.0 or above Internet Explorer 10/11

Other Players	VLC: 1.1.11 or above

Included Accessories

Packing Contents	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
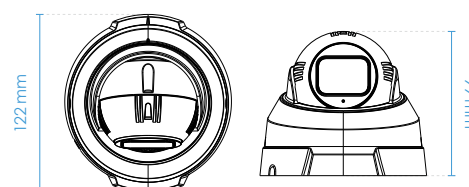
Compatible Accessories

Mounting Kits

AM-21M
L-shape Bracket

AM-52E
Mounting Adapter

Ordering Information

Model	Description	Part Number
IT9389-H (2.8mm)	5MP, 30fps, 2.8mm, 30M IR, Smart Stream III, Operating Temperature: -20°C ~ 50°C	100200800G
IT9389-H (3.6mm)	5MP, 30fps, 3.6mm, 30M IR, Smart Stream III, Operating Temperature: -20°C ~ 50°C	100200900G
IT9389-H (2.8mm) (Black)	5MP, 30fps, 2.8mm, 30M IR, Smart Stream III, Operating Temperature: -20°C ~ 50°C, Black	100210400G
IT9389-H (3.6mm) (Black)	5MP, 30fps, 3.6mm, 30M IR, Smart Stream III, Operating Temperature: -20°C ~ 50°C, Black	100210500G