



# 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

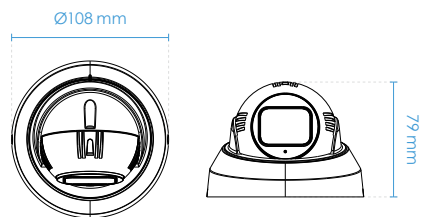
Model	IT9389-H(2.8mm) IT9389-H(3.6mm)		
<b>System Information</b>			
CPU	Multimedia SoC (System-on-Chip)		
Flash	128MB		
RAM	512MB		
<b>Camera Features</b>			
Image Sensor	1/2.7" Progressive CMOS		
Max. Resolution	2560x1920 (5MP)		
Lens Type	Fixed-focal		
Focal Length	IT9389-H(2.8mm): f = 2.8 mm IT9389-H(3.6mm): 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		
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 Seamless Recording		
<b>Video</b>			
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
		<b>Audio</b>	
		Audio Capability	One-way Audio
		Compression	G.711, G.726
		Interface	Build-in microphone
		Effective Range	5 meters
		<b>Network</b>	
		Users	Live viewing for up to 10 clients
		Protocols	IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, 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 <a href="http://www.onvif.org">www.onvif.org</a>
		<b>Intelligent Video</b>	
		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)
		<b>Alarm and Event</b>	
		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
		<b>General</b>	
		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

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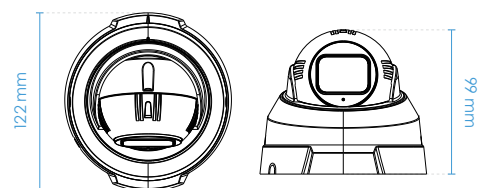
Safety Certifications	CE, FCC Class A, UL, LVD, VCCI, C-Tick
Operating Temperature	Starting Temperature: -10°C ~ 50°C (14°F ~ 122°F) Working Temperature: -20°C ~ 50°C (-4°F ~ 122°F)
Humidity	90%
Warranty	36 months
<b>System Requirements</b>	
Operating System	Microsoft Windows 8/7 Mac 10.12 (Chrome only)
Web Browser	Chrome 58.0 or above Internet Explorer 10/11
Other Players	VLC: 1.1.11 or above QuickTime: 7 or above
<b>Included Accessories</b>	
Others	Quick installation guide, alignment sticker, screw pack, mounting bracket

## Dimensions

### w/o mounting bracket



### w/ mounting bracket



## 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