



# TB8169

Fixed Dome Network Camera

2MP · 15M IR · 3DNR

VIVOTEK TB8169 is an easy-to-use fixed dome network camera specifically designed for indoor security applications with a compact, stylish exterior. Equipped with a 2MP sensor enabling viewing resolution of 1920x1080 at a smooth 30 fps, the TB8169 is an all-in-one camera capable of capturing high quality and high resolution video up to 2 Megapixel.

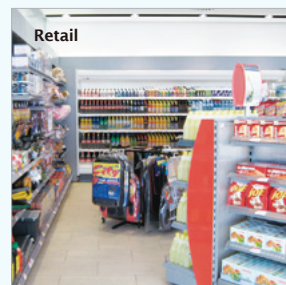
In order to adapt to constantly changing lighting conditions, the TB8169 features a removable IR-cut filter as well as improved IR illuminators effective up to 15M for superior image quality around the clock. Featuring 3D Noise Reduction Technology, it enables the TB8169 to capture clear, polished video under low-light conditions, which also helps to reduce bandwidth from sensor noise.

The TB8169 supports the industry-standard H.264 compression technology, drastically reducing file sizes and conserving valuable network bandwidth. With H.264, and MJPEG compatibility both included, multiple streams can be simultaneously transmitted in any of these formats at different resolutions, frame rates, and image qualities for versatile platforms. Thereby it further optimizes bandwidth and storage efficiency.

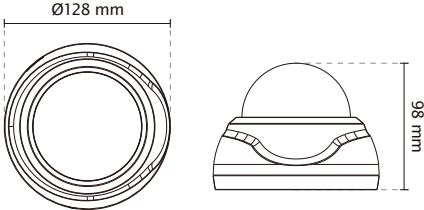
Incorporating a number of advanced features standard for VIVOTEK cameras, including tamper detection, 802.3af compliant PoE, MicroSD/SDHC/SDXC card slot, and VIVOTEK's 32-channel recording software, the TB8169 is the ideal solution for your indoor surveillance needs.

## Key Features

- 2-Megapixel CMOS Sensor
- 30 fps @ 1920x1080
- Real-time H.264, MJPEG Compression (Dual Codec)
- Removable IR-cut Filter for Day & Night Function
- Built-in IR Illuminators, Effective up to 15 Meters
- Built-in 802.3af Compliant PoE
- Built-in MicroSD/SDHC/SDXC Card Slot for On-board Storage
- Supports ONVIF Standard to Simplify Integration and Enhance Interoperability
- 3D Noise Reduction
- Smart IR Technology to Avoid Overexposure
- WDR Enhancement for Unparalleled Visibility in Extremely Bright and Dark Environments



## Technical Specifications

Model	TB8169 (f = 2.8 mm) TB8169-F3 (f = 3.6 mm)	<b>Intelligent Video</b>	Video Motion Detection	Triple-window video motion detection
<b>System Information</b>		<b>Alarm and Event</b>	Alarm Triggers	Video motion detection, manual trigger, periodical trigger, system boot, recording notification, camera tampering detection
CPU	Multimedia SoC (System-on-Chip)	Alarm Events	Alarm Events	Event notification using digital output, HTTP, SMTP, FTP and NAS server File upload via HTTP, SMTP, FTP and NAS server
Flash	128MB	<b>General</b>	Connectors	RJ-45 for Network/PoE connection
RAM	256MB	LED Indicator	LED Indicator	System power and status indicator
<b>Camera Features</b>		Power Input	Power Input	DC 12V IEEE 802.3af PoE Class 3
Image Sensor	1/2.7" Progressive CMOS	Power Consumption	Power Consumption	Max: 6.5 W (DC12V) Max: 7.5 W (PoE)
Maximum Resolution	1920x1080 (2MP)	Dimensions	Dimensions	Ø: 128 mm x 98 mm
Lens Type	Fixed-focal	Weight	Weight	Net: 435 g
Focal Length	f = 2.8 mm f = 3.6 mm (FD8169-F3)	Safety Certifications	Safety Certifications	CE, LVD, FCC Class B, VCCI, C-Tick
Aperture	F2.0	Operating Temperature	Operating Temperature	Starting Temperature: 0°C ~ 50°C Working Temperature: -10°C ~ 50°C
Field of View	TB8169: 105° (Horizontal) 87° (Vertical) 135° (Diagonal) TB8169-F3: 93° (Horizontal) 50° (Vertical) 116° (Diagonal)	Warranty	Warranty	24 months
Shutter Time	1/5 sec. to 1/32,000 sec.	<b>System Requirements</b>	Operating System	Microsoft Windows 7/Vista/XP/2000
WDR Technology	WDR Enhanced	Web Browser	Web Browser	Mozilla Firefox 7~10 (streaming only) Internet Explorer 7/8/9
Day/Night	Removable IR-cut filter for day & night function	Other Players	Other Players	VLC: 1.1.11 or above QuickTime: 7 or above
Minimum Illumination	1.22 Lux @ F2.0 (Color) 0.008 Lux @ F2.0 (B/W) 0 Lux @ IR LED ON	<b>Included Accessories</b>	CD	User's manual, quick installation guide, Installation Wizard 2, ST7501 32-channel recording software
Pan Range	348°	Others	Others	Quick installation guide, warranty card, alignment sticker, screw pack
Tilt Range	70°	<b>Dimensions</b>		
Rotation Range	345°			
Pan/tilt/zoom Functionalities	ePTZ: 48x digital zoom (4x on IE plug-in, 12x built-in)			
IR Illuminators	Built-in IR illuminators, effective up to 15 meters with Smart IR IR LED*6			
On-board Storage	MicroSD/SDHC/SDXC card slot			
<b>Video</b>				
Compression	H.264 & MJPEG			
Maximum Frame Rate	30 fps @ 1920x1080 In both compression modes			
Maximum Streams	3 simultaneous streams			
S/N Ratio	Above 53 dB			
Dynamic Range	54.5 dB			
Video Streaming	Adjustable resolution, quality and bitrate Configurable video cropping for bandwidth saving			
Image Settings	Adjustable image size, quality and bit rate Time stamp, text overlay, flip & mirror Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks Scheduled profile settings, 3D Noise Reduction			
<b>Network</b>				
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, DDNS, PPPoE, CoS, QoS, SNMP, 802.1X, UDP, ICMP			
Interface	10Base-T/100 BaseTX Ethernet (RJ-45)			
ONVIF	Supported, specification available at <a href="http://www.onvif.org">www.onvif.org</a>			

## Compatible Accessories

### Mounting Kits



**AM-51A**  
Mounting Adapter



**AM-520**  
Mounting Adapter



**AM-214**  
L shape bracket



**AM-712**  
Conduit Box

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