



■ 仕様

項目	TB9331-E
Model	TB9331-E(8.8mm)、TB9331-E(19mm)、TB9331-E(35mm)、TB9331-E(50mm)
System Information	
CPU	Multimedia SoC (System-on-Chip)
Flash	128 MB
RAM	512 MB
Camera Features	
Image Sensor	Uncooled VOx infrared detector
Maximum Resolution	Effective pixels : 720x480 Image scale up to : 960x640
Pixel Size	17 μ m
Spectral Range	8 ~ 14 μ m
Sensitivity	NETD < 50 mk
Lens Type	Fixed-focal (Thermal lens)
Focal Length	(8.8mm) : f = 8.8 mm (19mm) : f = 19 mm (35mm) : f = 35 mm (50mm) : f = 50 mm
Aperture	F1.0
Auto-iris	Fixed iris
Field of View	(8.8mm) : 69.6° (Horizontal)、49.7° (Vertical)、79.8° (Diagonal) (19mm) : 35.7° (Horizontal)、24.2° (Vertical)、42.3° (Diagonal) (35mm) : 19.8° (Horizontal)、13.3° (Vertical)、23.7° (Diagonal) (50mm) : 14° (Horizontal)、9.3° (Vertical)、16.7° (Diagonal)
Pan/Tilt/Zoom Functionalities	ePTZ : 20x digital zoom (4x on IE plug-in, 5x 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 @ 720x480
Maximum Streams	4 simultaneous streams
Video Streaming	Adjustable resolution, quality and constant bit rate control, Smart Stream II
Image Settings	General settings : video title and time stamp overlay, video orientation (flip, mirror, rotation); Thermal settings : white balance, image adjustment (brightness, contrast, sharpness); Privacy mask; Scheduled profile settings

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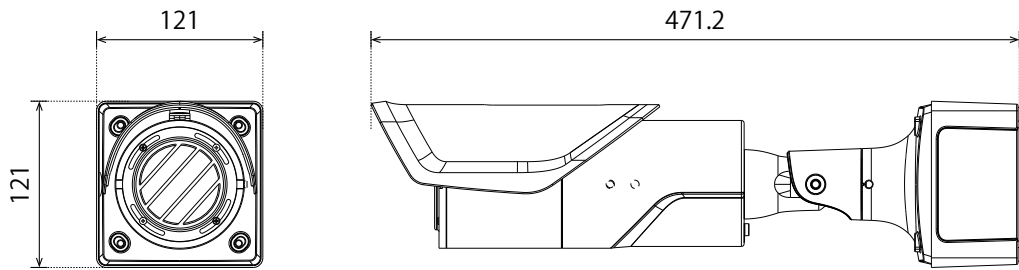
項目	TB9331-E
Audio	
Audio Capability	Two-way audio (full duplex)
Compression	G.726, G.711
Interface	External microphone input External line output
Network	
Users	Live viewing for up to 10 clients
Security	Access list, digest authentication, HTTPS, IEEE 802.1x, Password protection, user access log, user account management
Protocols	802.1X, ARP, Bonjour, CIFS/SMB, DDNS, DHCP, DNS, FTP, HTTP, HTTPS, ICMP, IGMP, IPv4, IPv6, NTP, PPPoE, QoS (CoS/DSCP), RTSP/RTP/RTCP, SMTP, SNMP, SSL, TCP/IP, TLS, 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 supported, specification available at www.onvif.org
Intelligent Video	
Video Motion Detection	Five-window video motion detection, human detection, time filter
VCA	Line crossing detection, field detection, loitering detection
VADP Package	Trend Micro IoT Security (3-year free trial)
Alarm and Event	
Event Trigger	Audio detection, camera tampering detection, cybersecurity events (bruteforce attack event, cyberattack event, quarantine event), digital input, manual trigger, motion detection, periodical trigger, recording notification, SD card life expectancy, shock detection, system boot
Event Action	Event notification via audio clip, digital output, email, HTTP, FTP, NAS server, SD card File upload via email, HTTP, FTP, NAS server, SD card
General	
Connectors	RJ-45 cable connector for 10/100Mbps Network/PoE connection Audio input Audio output DC 12V power input AC 24V power input Digital input Digital output BNC RS485
LED Indicator	System power and status indicator
Power Input	AC 24V, DC 12V, IEEE 802.3at PoE Class 4 (Simultaneous Power Redundancy Supported)

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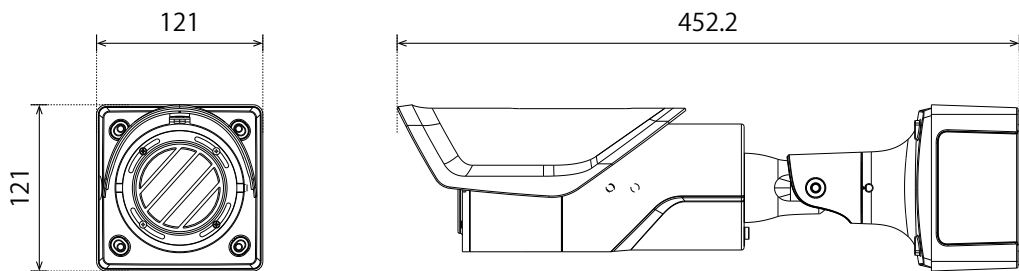
項目	TB9331-E
Power Consumption	PoE : Max. 14 W DC 12V : Max. 11 W AC 24V : Max. 12.4 W
Dimensions	(8.8mm) : 121 x 121 x 471.2 mm (with junction box) (19mm) : 121 x 121 x 452.2 mm (with junction box) (35mm)/(50mm) : 121 x 121 x 455.6 mm (with junction box)
Weight	(8.8mm)/(35mm)/(50mm) : 2,115 g (19mm) : 2,050 g
Operating Temperature	Start Temperature : -40° C ~ 60° C (-40° F ~ 140° F) Working temperature : -50° C ~ 60° C (-58° F ~ 140° 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	
Others	Quick installation guide, alignment sticker, screw pack, waterproof accessory bag, junction box, sunshield

■寸法図

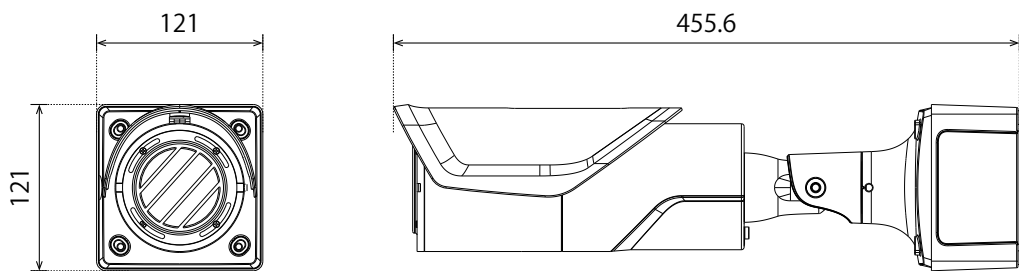
• (8.8mm)



• (19mm)



• (35mm)/(50mm)



単位 : mm