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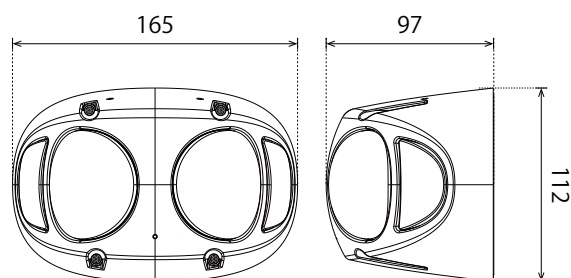| 項 目	MS9390-HV
Model	MS9390-HV
System Information	
CPU	Multimedia SoC (System-on-Chip)
Flash	128MB
RAM	1GB
Camera Features	
Image Sensor	1/2.7″ Progressive CMOS
Maximum Resolution	4512×1728(8MP)
Lens Type	Fixed-focal
Focal Length	f =2.8 mm
Aperture	F1.2
Iris type	Fixed iris
Field of View	180° （Horizontal) 50° (Vertical) 180° （Diagonal)
Shutter Time	1/5 sec. to 1/32,000 sec.
WDR Technology	WDR Pro
Day/Night	Yes
Removable IR-cut filter	Yes (Headlight filter design for Anti-Glare)
Illuminators	Built-in IR illuminators, effective up to 20meters with Smart IR , IR LED*8
Minimum Illumination	0.05 Lux @ F1.2 (Color) 0.01 Lux @ F1.2 (B/W) 0 Lux with IR illumination on
Tilt Range	20°
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 networkattached storage (NAS)
Video	
Compression	H.265, H.264, MJPEG
Maximum Frame Rate	30 f ps @ 4512×1728
Maximum Streams	4 video streams (Up to 9 configurable profiles)
S/N Ratio	46 dB
Dynamic Range	120 dB
Video Streaming	Adjustable resolution, quality and constant bit rate control, Smart Stream Ⅲ

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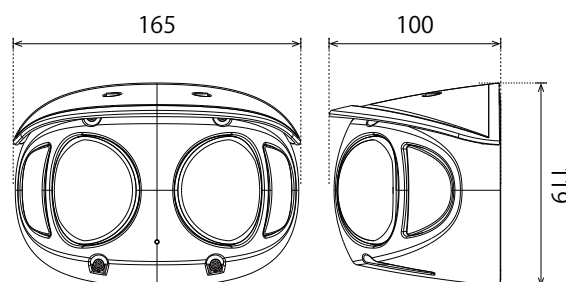| 項　目	MS9390-HV
Image Settings	General settings: video title and time stamp overlay, video orientation (flip, mirror), day/night settings; Illuminators: illuminators,anti-overexposure; Image settings: white balance, image adjustment (brightness,contrast, saturation, sharpness, gamma curve), defog, 3DNR, HLM, DIS, scene mode (auto, deblur); Exposure: BLC, HLC, exposure control (exposure level, iris adjustment,exposure time, gain control, iris mode), AE speed adjustment, WDR; Privacy mask;Scheduled profile settings
Audio	
Audio Capability	One-way Audio
Compression	G.711, G.726
Interface	Built-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, TLS1.2, UDP, UPnP
Interface	10 Base-T/100 BaseTX 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,people detection, time filter
Smart VCA	Intrusion detection, loitering detection, line crossing detection, unattended object detection, missing object detection, face detection, crowd detection, running detection *Please access https://license.vivotek.com/　to get the free trial license.
VADP Package	Deep Learning VCA (Smart Motion Detection, Smart VCA), Stratocast, 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, NASserver, SD card, push notification File upload via email, HTTP, FTP, NAS server,SD card
General	
Connectors	RJ-45 cable connector for 10/100 Mpbs Network/PoE connection
LED Indicator	System power and status indicator
Power Input	IEEE 802.3at PoE Class 4
Power Consumption	Max: 15.2 W/6.9 W (IR on/off)
Dimensions	165×112×97 mm (w/o sunshield) 165×119×100 mm (w/ sunshield)
Weight	1.2 kg
Certifications	EMC: CE (EN55032, EN55024 Class A), FCC(FCC Part 15 Subpart B Class A), RCM (AS/NZS CISPR 32 Class A),VCCI (VCCI-CISPR32 Class A); Safety: UL (UL60950-1), CB (IEC60950-1); Environment: IK10 (IEC 62262), IP66(IEC 60529)

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項 目	MS9390-HV
Operating Temperature	Starting Temperature:-10℃～50℃(14℉～122℉) Working Temperature(IR off):-20℃～55℃ (-4℉～131℉) Working Temperature(IR on):-20℃～50℃ (-4℉～122℉)
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, desiccant bag, screw driver,screws pack, sunshield

■寸法図

・w/o sunshield   ・w/ sunshield

165   97   112   165   100   119

単位：mm

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