





2MP 40x AI PTZ Camera with built-in wiper











Key Features

- Max. 2MP resolution
- 4.25~170mm(40x) zoom (digital 32x, total 1280x zoom)
- Day & Night (ICR), extreme WDR, DIS (Built-in gyro sensor)
- Intelligent Analytics, Object auto tracking (Person/Vehicle), Target lock tracking
- H.264, H.265, MJPEG codec, WiseStream II
- IP66, IK10, NEMA4X, NEMA-TS 2 (2.2.8, 2.2.9)
- PTZ PLUS Design applied (Compact, Lighter, Simple cabling)
- Built-in wiper



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Specifications

Video	
Imaging Device	1/2.8" CMOS
Resolution	1920x1080, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240
Max. Framerate	H.265/H.264: Max. 60fps/50fps(60Hz/50Hz) MJPEG: Max. 30fps/25fps(60Hz/50Hz)
Min. Illumination	Color: 0.05Lux(F1.6, 1/30sec) BW: OLux(IR LED On)
Lens	
Focal Length (Zoom Ratio)	4.25~170mm(40x) zoom (digital 32x, total 1280x zoom)
Optical Zoom	40x
Max. Aperture Ratio	F1.6(Wide)~F4.95(Tele)
Angular Field of View	H: 65.66°(Wide)~1.88°(Tele) / V: 39.4°(Wide)~1.09°(Tele)
Min. Object Distance	3m(9.84ft)
Focus Control	Oneshot AF, Focus save
Lens Type	DC auto iris
Pan / Tilt / Rotate	
Pan Range	360° Endless
Pan Speed	Max. 500°/sec, Manual: 0.024°/sec~250°/sec
Tilt Range	110°(90°~-20°)
Tilt Speed	Max. 350°/sec, Manual: 0.024°/sec~250°/sec
Sequence	Preset(300ea), Swing, Group(6ea), Trace, Tour, Auto Run, Schedule
Preset Accuracy	Up to ±0.1°, Pan/Tilt correction
Operational	
Camera Title	Displayed up to 85 characters
Direction Indicator	Support
Day & Night	Auto(ICR)
Backlight Compensation	BLC, HLC, WDR, SSDR
Wide Dynamic Range	Extreme WDR(150dB)
Digital Noise Reduction	WiseNR II (Based on AI engine), SSNR V
Digital Image Stabilization	Support(built-in gyro sensor)
Defog	Support
Motion Detection	8ea, 8point polygonal zones
Privacy Masking	32ea, 4point Quadrangle zones - Color: Gray/Green/Red/Blue/Black/White - Mosaic
Gain Control	Off / Max gain / Manual

Design and specifications are subject to change without notice. The latest product information / specification can be found at HanwhaVision.com. Hanwha Vision is formerly known as Hanwha Techwin.



Electronic Shutter Speed Minimum / Masimum / Asta Histor (211 2.000sec) Prefer shutter controllBased on Al engine FigeAfricor Analytics Classified object type : Person/Face/Vehicle/License plate Attributes : Vehicle/Type-carp/bus/truck/motorcyclubicycle) Support Detections/from Al engine - Object detection. Virtual Al engine - Object detection. Sound line/Crossing/Direction/, Virtual area/Lobering/Intrusion/Enter/Exit), Motion detection - Analytics events - Tampering, For effection. Sound classification/Via optional I/O box SPM-4210. Alarm Triggers Analytics. Network disconnect. Alarm input(Via optional I/O box SPM-4210). Time schedule. MQTT subscription. Alarm Events When alarm trigger occurred File optionalings: I enemality Try SFTP - Hostification : email - Pecording: SiySBML/SDX or NAS recording at event triggers - Handover: PT2 presst, exed message by HTTP/HTTP/STD - HOTT: Debitication - Alarm output/Via optional I/O box SPM-4210. Light Type R LEDRISONI R Vice Removal Support with Wiper. Lens heater) Auto Tracking Support Metal shielded RJ-45(10/1008ASE-T) Video Compression H 256/H 264 Main/Basselinc/High MJPEG Smart Code Manual/Sea area.) WiseStream II. WiseStream III Wis	White Balance	ATW / NarrowATW / AWC / Manual / Indoor / Outdoor / Mercury / Sodium
Video Rotation FlipAMirror Analytics classified object type: Person/Face/Vehicle/License plate Attributes: Vehicle(Type:car/bus/truck/motorcycle/bicycle) Analytics classified object type: Person/Face/Vehicle/License plate Attributes: Vehicle(Type:car/bus/truck/motorcycle/bicycle) Apport Detection Should classification (Virtual area/Lopear/Disappear) - Object detection. Should classification (Virtual area/Lopear/Disappear) Analytics: Network disconnect. Alarm Imput(Via optional I/O box SPM-4210). Time schedule. MQTT subscription Alarm Events When alarm trigger occurred - File upload (video clip): FIP/SFTP - Notification: e-mail - Recording: SD/SPII/CSDX.co vn NS recording at event triggers - Audio clip plasfack: a MOTT: publication - Ration of Publication - Audion clip plasfack: a MOTT: publication - Audio clip plasfack: a MOTT: publication - Audion - Audion clip plasfack: a MOTT: publication - Audion - Audion - Audion - Audion -	Electronic Shutter Speed	
Analytics Classified object type: Person/Esap/Nebtad/License plate Attributes: Schleic/Piperson/Para/Nebtad/License plate Attributes: Schleic/Piperson/Pubr/ruck/motorcycle/biocycle) Support DetectionShot Analytics events based on Alengine - Object detection, Virtual Intel/Crossing/Direction), Virtual areal/Appear/Disappear) - Analytics, Network disconnect, Alarm input(Via optional I/O box SPM-4210). Time schedule, MQTT subscription Alarm Triggers Analytics, Network disconnect, Alarm input(Via optional I/O box SPM-4210). Time schedule, MQTT subscription Alarm Events When alarm trigger occurred - File upload(Image): e-mail/FTP/SFTP - Notification: e-mail - Sept. FTP/SFTP - Noti	ACL Dist	
Alarm Events When alarm trigger occurred - File uploadlinage] : e-mail/TP/SFTP - Notification i: e-mail - Recording is SD/SPLA(SDKC or NAS recording at event triggers - Handower: PT2 preset, send message by HTTP/HTTPS/TCP - Audio (cip playback - MQTT: publication - Alarm output(Via optional I/O box SPM-4210) Light Type IR LED(850nm) IR Viewable Length Wise IR 200m/656.17tl Water Removal Support - Support (with Wiper, Lens heater) Auto Tracking Support - Object auto tracking(Person/Vehicle) - Target lock tracking - Support - Object auto tracking Person/Vehicle) - Target lock tracking - Target lock tracking		Classified object type: Person/Face/Vehicle/License plate Attributes: Vehicle(Type:car/bus/truck/motorcycle/bicycle) Support DetectionShot Analytics events based on AI engine - Object detection, Virtual line(Crossing/Direction), Virtual area(Loitering/Intrusion/Enter/Exit), Motion detection Analytics events - Tampering, Fog detection, Shock detection, Virtual area(Appear/Disappear)
File upload(finage): e-mail/FP/SFTP File upload(finage): E-mail/FP/SFTP File upload(finage): E-P/SFTP Audio Cip playback Morri publication Alarm output/t/da optional I/O box SPM-4210) Light Type IR LED(850nm) IR Viewable Length Wise IR 200m(656.17ft) Water Removal Auto Tracking Support Object auto tracking(Person/Vehicle) Target lock tracking Ferson/Vehicle) Target lo	Alarm Triggers	
RY Viewable Length Wise IR 200m(656.17ft)	Alarm Events	 - File upload(image): e-mail/FTP/SFTP - File upload(video clip): FTP/SFTP - Notification: e-mail - Recording: SD/SDHC/SDXC or NAS recording at event triggers - Handover: PTZ preset, send message by HTTP/HTTPS/TCP - Audio clip playback - MQTT: publication
Water Removal Support (with Wiper, Lens heater) Auto Tracking Support Object auto tracking(Person/Vehicle) Target lock tracking Network Ethernet Metal shielded RJ-45(10/100BASE-T) Video Compression H.265/H.264: Main/Baseline/High, MJPEG Smart Codec Manual(Sea area), WiseStream II, WiseStreamIII(Based on Al Engine) Bitrate Control H.264/H.265: CBR or VBR MJPEG: VBR Streaming Unicast(20 users), Multicast (128 user) Multiple streaming(Up to 10 profiles) Protocol PP-4, IP-0, TCP/IP, UDP/IP, RTP(IUDP), RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, FTP/SFTP, SMTP, ICMP, IGMP, SNMP-1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, LLDP, CDP, SRTP(TCP, UDP Unicast), NTCIP1205, MQTT Application Programming Interface ONNE Profile S/G/T/M SUNAPI(HTTP AP) Hanwha Vision Open Platform Security Security Security Secure Communication Digest Authentication, Prevent brute-force attacks Network authentication IEEE 802.1X(EAP-TLS, EAP-LEAP, EAP-PEAP, MSCHAPv2) Secure Communication HTTPS, WSS(WebSocket Secure), SRTP Access Control IP-based access control Data Protect Encryption Credentials, Encrypt compress for live recording file export Audit Access / System / Event Log management Device ID Device certificate(Hanwha Vision Root CA) Secure Storage TPM(Trusted platform module), HTPM(Hanwha trusted platform module),	Light Type	IR LED(850nm)
Auto Tracking Support Object auto tracking(Person/Vehicle) Target lock tracking Network Ethernet Metal shielded RJ-45(10/100BASE-T) Video Compression H.265/H.264: Main/Baseline/High, MJPEG Smart Codec Manual(Sea area), WiseStream II, WiseStream III (Based on Al Engine) Bitrate Control H.264/H.265: CBR or VBR MJPEG: VBR NJPEG: VBR MJPEG: VBR MJPEG	IR Viewable Length	Wise IR 200m(656.17ft)
Network Ethernet Metal shielded RJ-45(10/100BASE-T) Video Compression H.265/H.264: Main/Baseline/High, MJPEG Smart Codec Manual(Sea area), WiseStream II, WiseStreamIII (Based on Al Engine) Bitrate Control H.264/H.265: CBR or VBR MJPEG: VBR Streaming Unicast(20 users) / Multicast (128 user) Multiple streaming(Up to 10 profiles) Protocol IP4.4 IPv6. TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, FTP/SFTP SMTP, ICMP, IGMP, SMMP41/22/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, LLDP, CDP, SRTP(TCP, UDP Unicast), NTCIP1205, MQTT Application Programming Interface ONLY Profile S/G/T/M SUNAP/(HTTP API) Hanwha Vision Open Platform Security OS / Firmware Protect Encrypted Firmware, Secure boot. Signed Firmware User authentication Digest Authentication, Prevent brute-force attacks Network authentication IEEE 802.1X(EAP-TLS, EAP-LEAP, EAP-PEAP, MSCHAPv2) Secure Communication HTTPS, WSS(WebSocket Secure), SRTP Access Control IP-based access control Data Protect Encryption Credentials, Encrypt compress for live recording file export Audit Access / System / Event Log management Device ID Device certificate(Hanwha Vision Root CA) Secure Storage TPM(Trusted platform module), HTPM(Hanwha trusted platform module),	Water Removal	Support(with Wiper, Lens heater)
Ethernet Metal shielded RJ-45(10/100BASE-T) Video Compression H.265/H.264: Main/Baseline/High, MJPEG Smart Codec Manual(Sea area), WiseStream II , WiseStreamIII (Based on AI Engine) Bitrate Control H.264/H.265: CBR or VBR MJPEG: VBR Streaming Unicast(20 users) / Multicast (128 user) Multicast (128 user) Multiple streaming(Up to 10 profiles) Protocol IPv4, IPv6, TCP/IP, UDP/IP, RTP(IDP), RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, FTP/SFTP, SMTP, ICMP, IGMP, SNMPv1,Vv2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, LLDP, CDP, SRTP(TCP, UDP Unicast), NTCIP1205, MQTT Application Programming Interface ONVIF Profile S/G/T/M SUNAPI(HTTP API) Hanwha Vision Open Platform Security OS / Firmware Protect Encrypted Firmware, Secure boot, Signed Firmware User authentication Digest Authentication, Prevent brute-force attacks Network authentication IEEE 802.1X(EAP-TLS, EAP-LEAP, EAP-PEAP, MSCHAPv2) Secure Communication HTTPS, WSS(WebSocket Secure), SRTP Access Control IP-based access control Data Protect Encryption Credentials, Encrypt compress for live recording file export Audit Access / System / Event Log management Device ID Device certificate(Hanwha Vision Root CA) Secure Storage TPM(Trusted platform module), HTPM(Hanwha trusted platform module),	Auto Tracking	Object auto tracking(Person/Vehicle)
Video Compression H.265/H.264: Main/Baseline/High, MJPEG Smart Codec Manual(Sea area), WiseStream II , WiseStreamIII (Based on AI Engine) Bitrate Control H.264/H.265: CBR or VBR MJPEG: VBR Streaming Unicast(20 users) / Multicast (128 user) Multiple streaming(Up to 10 profiles) Protocol IPv4, IPv6, TCP/IP, UDP/IP, RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, FTP/SFTP, SMTP, ICMP, IGMP, SMMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, LLDP, CDP, SRTP(TCP, UDP Unicast), NTCIP1205, MQTT Application Programming Interface ON/IF Profile S/G/T/M SUANPI(HTTP API) Hamwha Vision Open Platform Security Security OS / Firmware Protect Encrypted Firmware, Secure boot, Signed Firmware User authentication Digest Authentication, Prevent brute-force attacks Network authentication IEEE 802.1X(EAP-TLS, EAP-LEAP, EAP-PEAP, MSCHAPv2) Secure Communication HTTPS, WSS(WebSocket Secure), SRTP Access Control IP-based access control Data Protect Encryption Credentials, Encrypt compress for live recording file export Audit Access / System / Event Log management Device ID Device certificate(Hanwha Vision Root CA) Secure Storage TPM(Trusted platform module), HTPM(Hanwha trusted platform module),	 Network	
Video Compression H.265/H.264: Main/Baseline/High, MJPEG Smart Codec Manual(Sea area), WiseStream II , WiseStreamIII (Based on AI Engine) Bitrate Control H.264/H.265: CBR or VBR MJPEG: VBR Streaming Unicast(20 users) / Multicast (128 user) Multiple streaming(Up to 10 profiles) Protocol IPv4, IPv6, TCP/IP, UDP/IP, RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, FTP/SFTP, SMTP, ICMP, IGMP, SMMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, LLDP, CDP, SRTP(TCP, UDP Unicast), NTCIP1205, MQTT Application Programming Interface ON/IF Profile S/G/T/M SUANPI(HTTP API) Hamwha Vision Open Platform Security Security OS / Firmware Protect Encrypted Firmware, Secure boot, Signed Firmware User authentication Digest Authentication, Prevent brute-force attacks Network authentication IEEE 802.1X(EAP-TLS, EAP-LEAP, EAP-PEAP, MSCHAPv2) Secure Communication HTTPS, WSS(WebSocket Secure), SRTP Access Control IP-based access control Data Protect Encryption Credentials, Encrypt compress for live recording file export Audit Access / System / Event Log management Device ID Device certificate(Hanwha Vision Root CA) Secure Storage TPM(Trusted platform module), HTPM(Hanwha trusted platform module),	Ethernet	Metal shielded RJ-45(10/100BASE-T)
Bitrate Control H.264/H.265: CBR or VBR MJPEG: VBR Streaming Unicast(20 users) / Multicast (128 user) Multiple streaming(Up to 10 profiles) Protocol Protocol Protocol Protocol Protocol Diva, IPVA, CPVP, IUDP/IDP, RTP(UDP), RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, FTP/SFTP, SMTP, ICMP, IGMP, SMMP21/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, LLDP, CDP, SRTP(TCP, UDP Unicast), NTCIP1205, MQTT Application Programming Interface ONVIF Profile S/G/T/M SUNAPI(HTTP API) Hanwha Vision Open Platform Security OS / Firmware Protect User authentication Digest Authentication, Prevent brute-force attacks Network authentication IEEE 802.1X(EAP-TLS, EAP-LEAP, EAP-PEAP, MSCHAPV2) Secure Communication HTTPS, WSS(WebSocket Secure), SRTP Access Control Data Protect Encryption Credentials, Encrypt compress for live recording file export Audit Access / System / Event Log management Device ID Device Certificate(Hanwha Vision Root CA) Secure Storage TPM(Trusted platform module), HTPM(Hanwha trusted platform module),	Video Compression	H.265/H.264: Main/Baseline/High, MJPEG
Streaming Unicast(20 users) / Multicast (128 user) Multiple streaming(Up to 10 profiles) Protocol Pv4, Ipv6, TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, FTP/SFTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, LLDP, CDP, SRTP(TCP, UDP Unicast), NTCIP1205, MQTT Application Programming Interface ONVIF Profile S/G/T/M SUNAPI(HTTP API) Hanwha Vision Open Platform Security OS / Firmware Protect Encrypted Firmware, Secure boot, Signed Firmware User authentication Digest Authentication, Prevent brute-force attacks Network authentication IEEE 802.1X(EAP-TLS, EAP-LEAP, EAP-PEAP, MSCHAPv2) Secure Communication HTTPS, WSS(WebSocket Secure), SRTP Access Control IP-based access control Data Protect Encryption Credentials, Encrypt compress for live recording file export Audit Access / System / Event Log management Device ID Device certificate(Hanwha Vision Root CA) Secure Storage TPM(Trusted platform module), HTPM(Hanwha trusted platform module),	Smart Codec	Manual(5ea area), WiseStream II , WiseStream III (Based on AI Engine)
Multiple streaming(Up to 10 profiles) Protocol	Bitrate Control	·
FTP/SFTP, SMTP, ICMP, IGMP, SMMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, LLDP, CDP, SRTP(TCP, UDP Unicast), NTCIP1205, MQTT Application Programming Interface ONVIF Profile \$S/GT/M\$ SUNAPI(HTTP API) Hanwha Vision Open Platform Security OS / Firmware Protect Encrypted Firmware, Secure boot, Signed Firmware User authentication Digest Authentication, Prevent brute-force attacks Network authentication IEEE 802.1X(EAP-TLS, EAP-LEAP, EAP-PEAP, MSCHAPv2) Secure Communication HTTPS, WSS(WebSocket Secure), SRTP Access Control IP-based access control Data Protect Access / System / Event Log management Device ID Device certificate(Hanwha Vision Root CA) Secure Storage TPM(Trusted platform module), HTPM(Hanwha trusted platform module),	Streaming	
Security OS / Firmware Protect Encrypted Firmware, Secure boot, Signed Firmware User authentication Digest Authentication, Prevent brute-force attacks Network authentication IEEE 802.1X(EAP-TLS, EAP-LEAP, EAP-PEAP, MSCHAPv2) Secure Communication HTTPS, WSS(WebSocket Secure), SRTP Access Control IP-based access control Data Protect Encryption Credentials, Encrypt compress for live recording file export Audit Access / System / Event Log management Device ID Device certificate(Hanwha Vision Root CA) Secure Storage TPM(Trusted platform module), HTPM(Hanwha trusted platform module),	Protocol	FTP/SFTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, LLDP,
OS / Firmware Protect User authentication Digest Authentication, Prevent brute-force attacks Network authentication IEEE 802.1X(EAP-TLS, EAP-LEAP, EAP-PEAP, MSCHAPv2) Secure Communication HTTPS, WSS(WebSocket Secure), SRTP Access Control IP-based access control Data Protect Encryption Credentials, Encrypt compress for live recording file export Audit Access / System / Event Log management Device ID Device certificate(Hanwha Vision Root CA) Secure Storage TPM(Trusted platform module), HTPM(Hanwha trusted platform module),	Application Programming Interface	SUNAPI(HTTP API)
OS / Firmware Protect User authentication Digest Authentication, Prevent brute-force attacks Network authentication IEEE 802.1X(EAP-TLS, EAP-LEAP, EAP-PEAP, MSCHAPv2) Secure Communication HTTPS, WSS(WebSocket Secure), SRTP Access Control IP-based access control Data Protect Encryption Credentials, Encrypt compress for live recording file export Audit Access / System / Event Log management Device ID Device certificate(Hanwha Vision Root CA) Secure Storage TPM(Trusted platform module), HTPM(Hanwha trusted platform module),	Security	
User authentication Digest Authentication, Prevent brute-force attacks Network authentication IEEE 802.1X(EAP-TLS, EAP-LEAP, EAP-PEAP, MSCHAPv2) Secure Communication HTTPS, WSS(WebSocket Secure), SRTP Access Control IP-based access control Data Protect Encryption Credentials, Encrypt compress for live recording file export Audit Access / System / Event Log management Device ID Device certificate(Hanwha Vision Root CA) Secure Storage TPM(Trusted platform module), HTPM(Hanwha trusted platform module),	•	Encrypted Firmware, Secure boot, Signed Firmware
Secure Communication HTTPS, WSS(WebSocket Secure), SRTP Access Control IP-based access control Data Protect Encryption Credentials, Encrypt compress for live recording file export Audit Access / System / Event Log management Device ID Device certificate(Hanwha Vision Root CA) Secure Storage TPM(Trusted platform module), HTPM(Hanwha trusted platform module),		
Access Control Data Protect Encryption Credentials, Encrypt compress for live recording file export Audit Access / System / Event Log management Device ID Device certificate(Hanwha Vision Root CA) Secure Storage TPM(Trusted platform module), HTPM(Hanwha trusted platform module),	Network authentication	IEEE 802.1X(EAP-TLS, EAP-LEAP, EAP-PEAP, MSCHAPv2)
Data Protect Encryption Credentials, Encrypt compress for live recording file export Audit Access / System / Event Log management Device ID Device certificate(Hanwha Vision Root CA) Secure Storage TPM(Trusted platform module), HTPM(Hanwha trusted platform module),	Secure Communication	HTTPS, WSS(WebSocket Secure), SRTP
Audit Access / System / Event Log management Device ID Device certificate(Hanwha Vision Root CA) Secure Storage TPM(Trusted platform module), HTPM(Hanwha trusted platform module),	Access Control	IP-based access control
Device ID Device certificate(Hanwha Vision Root CA) Secure Storage TPM(Trusted platform module), HTPM(Hanwha trusted platform module),	Data Protect	Encryption Credentials, Encrypt compress for live recording file export
Secure Storage TPM(Trusted platform module), HTPM(Hanwha trusted platform module),	Audit	Access / System / Event Log management
	Device ID	Device certificate(Hanwha Vision Root CA)

General

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English, Korean, Chinese, French, Italian, Spanish, German, Japanese, Russlan, Portupuse, Ceche, Polish, Truskis, Dutch, Hungarian, Greek	Wahnaga Languaga	Fuglish Kayaan Chinaga Evansh Italian Spanish Common January Burgin
Memory	webpage Language	
Environmental & Electrical	Edge Storage	Micro SD/SDHC/SDXC 2slot 1TB (512GBx2)
Operating Temperature Humidity	Memory	4GB RAM, 512MB Flash
Operating Temperature Humidity	Environmental & Electrical	
#74"C(F165F) (MAX) based on NEMA-TS 2(2.2.7) *Start up should be done at above -30°C 0-100%RH(Condensing) Humidity control with AlR vent Storage Temperature / Humidity -50°C - 460°C(-58°F - 140°F) / 0-90% RH Certification P66. IK10. NEMAK NEMA-TS 2(2.2.7.2.2.8.2.2.9) Input Voltage P0E++(IEEE802.3bt. Class6, Type3. Injector included) Power Consumption Typical 26W, Max 46W Mechanical Color / Material White, Black / Aluminum+Polycarbontate RAL Code White: RAL9003 / Black: RAL9005 Product Dimensions / Weight a184.9x318.mm(7.28x12.55°) / 5600g (12.34lb) Hanging Mount (Dome) SBP-156HMW SBP-300CMTS, SBP-300CMW1/900CMW, SBP-150CMI/300CMI Wall Mount SBP-156HMW, SBP-300MW2 Pole Mount SBP-156CMW, SBP-300CMW1, SBP-300LMW1/900CMW, SBP-150CMI/300CMI SBP-156CMW, SBP-300MW2 Parapet Mount SBP-156KMW, SBP-300KMW1 SBP-300LMW Corner Mount SBP-156KMW, SBP-300KMW1 SBP-300MBW Certifications & Standards EMC FCC 47 CFR 15 Subpart B Class A CCS-3(A)/MMB-3(A) CEPUICA EN S003C Class A EN S0130-4 CCEPUICA EN S003C SBA A EN S0130-4 CEPUICA EN S003C SBA A EN S0130-4 CEPUICA EN S003C SBA A CES-3(A)/MBB-3(A) EN S003C SBA A EN S0130-4 EN S003		-40°C~+55°C(-40°E~+131°E) /
Certification	operating reinperature / riuminity	+74°C(+165°F) (MAX) based on NEMA-TS 2(2.2.7) * Start up should be done at above -30°C
Input Voltage	Storage Temperature / Humidity	-50°C ~ +60°C(-58°F ~ +140°F) / 0~90% RH
Power Consumption	Certification	IP66, IK10, NEMA4X, NEMA-TS 2(2.2.7, 2.2.8, 2.2.9)
Mechanical Color / Material White, Black / Aluminum+Polycarbontate RAL Code White: RAL9003 / Black: RAL9005 Product Dimensions / Weight ø184.9x318.8mm(7.28x12.55") / 5600g (12.34lb) Hanging Mount (Dome) SBP-156HMW Ceiling Mount (Assy) SBP-156CMW, SBP-300CMTS. SBP-300CMW1/900CMW, SBP-150CMI/300CMI Wall Mount SBP-156CMW, SBP-300CMW1/900CMW, SBP-150CMI/300CMI Wall Mount SBP-156LMW, SBP-300MW2 Parapet Mount SBP-156LMW, SBP-300LMW Corner Mount SBP-156KMW, SBP-300KMW1 Cabinet SBP-300NBW Certifications & Standards EMC FCC 47 CFR 15 Subpart B Class A CES-3(A)/NAB-3(A) CEFUKA, VANDB-3(A) CEFURA, VANDB-3	Input Voltage	PoE++(IEEE802.3bt, Class6, Type3, Injector included)
Color / Material White, Black / Aluminum+Polycarbontate RAL Code White: RAL9003 / Black: RAL9005 Product Dimensions / Weight ø184.9x318.8mm(7.28x12.55") / 5600g (12.34lb) Hanging Mount (Dome) SBP-156HMW Celling Mount (Assy) SBP-156CMW, SBP-300CMTS, SBP-300CMW1/900CMW, SBP-150CMI/300CMI Wall Mount SBP-156CMW, SBP-390WMW2 Pole Mount SBP-300PMW2 Parapet Mount SBP-156LMW, SBP-300LMW Corner Mount SBP-156LMW, SBP-300KMW1 Cabinet SBP-300NBW Certifications & Standards SBP-300NBW EMC FCC 47 CFR 15 Subpart B Class A (ESS-3(A)/NMB-3(A) CE/UKCA CE/U	Power Consumption	Typical 26W, Max 46W
RAL Code White: RAL 9003 / Black: RAL 9005 Product Dimensions / Weight ø184.9x318.8mm(7.28x12.55") / 5600g (12.34lb) Hanging Mount (Dome) SBP-156HMW Ceiling Mount (Assy) SBP-156CMW, SBP-300CMTS, SBP-300CMW1/900CMW, SBP-150CMI/300CMI Wall Mount SBP-156CMW, SBP-390WMW2 Pole Mount SBP-300PMW2 Parapet Mount SBP-156LMW, SBP-156LMW1, SBP-300LMW Corner Mount SBP-156LMW, SBP-156LMW1, SBP-300LMW Corner Mount SBP-156LMW, SBP-300KMW1 Cabinet SBP-300NBW Certifications & Standards EMC FCC 47 CFR 15 Subpart B Class A (CES-3(A)/MMB-3(A) CEC/UKCA - EN 55032 Class A EN 50130-4 VCCI CISPR 32 Class A K SC 9835 Safety UL 62368-1, CAN/CSA C22.2 NO. 62368-1 (EC 632471 Environment EN IEC 63000 (EC 63262 IK10 NEMA 250 type 4X DORI (EN62676-4 standard) Detect (25PPM/ 8PPF) Wide: 23.8m(78.1ft) / Tele: 2340.4m(7678.4ft) Observe (63PPM/ 19PPF) Wide: 23.8m(78.1ft) / Tele: 236.2m(3071.4ft) Recognize (125PPM/ 38PPF) Wide: 11.9m(39.1ft) / Tele: 468.1m(1535.7ft)	Mechanical	
Product Dimensions / Weight a184.9x318.8mm(7.28x12.55*) / 5600g (12.34lb) Hanging Mount (Dome) SBP-156HMW Ceiling Mount (Assy) SBP-156CMW, SBP-300CMTS, SBP-300CMW1/900CMW, SBP-150CMI/300CMI Wall Mount SBP-156WWW, SBP-390WMW2 Pole Mount SBP-300PMW2 Parapet Mount SBP-156LMW, SBP-300LMW Corner Mount SBP-156LMW, SBP-300KMW1 Cabinet SBP-300NBW Certifications & Standards FCC 47 CFR 15 Subpart B Class A CEY, MCA - EN 55032 Class A, EN 50130-4 VCCI CISPR 32 Class A, EN 50130-4 VCCI CISPR 32 Class A, EN 50130-4 VCCI CISPR 32 Class A, KS C 9835 Safety UL 62368-1, CAN/CSA C22.2 NO. 62368-1 RC 62471 Environment EN IEC 63000 RC 62471 Environment EN IEC 63000 RC 6252 IP66, IEC 62262 IK10 NEMA 75 2-2013 (2.2.7, 2.2.8, 2.2.9) NEMA 250 type 4X DORI (EN62676-4 standard) Detect (25PPM/8PPF) Wide: 59.5m(195.3ft) / Tele: 2340.4m(7678.4ft) Observe (63PPM/19PFF) Wide: 23.8m(78.1ft) / Tele: 2340.4m(7678.4ft) Recognize (125PPM/38PPF) Wide: 11.9m(39.1ft) / Tele: 468.1m(1535.7ft)	Color / Material	White, Black / Aluminum+Polycarbontate
Hanging Mount (Dome) SBP-156HMW Ceiling Mount (Assy) SBP-156CMW, SBP-300CMTS, SBP-300CMW1/900CMW, SBP-150CMI/300CMI Wall Mount SBP-156WMW, SBP-390WMW2 Pole Mount SBP-300PMW2 Parapet Mount SBP-156LMW, SBP-156LMW1, SBP-300LMW Corner Mount SBP-156KMW, SBP-300KMW1 Cabinet SBP-300NBW Certifications & Standards EMC FCC 47 CFR 15 Subpart B Class A ICES-3(A)/NMB-3(A) CE/I/KCA -EN 55032 Class A, EN 50130-4 VCCI (ISPR 32 Class A) RCM AS/NZS CISPR 32 Class A RCM A	RAL Code	White: RAL9003 / Black: RAL9005
Ceiling Mount (Assy) SBP-156CMW, SBP-300CMTS, SBP-300CMW1/900CMW, SBP-150CMI/300CMI Wall Mount SBP-156WMW, SBP-390WW2 Pole Mount SBP-300PMW2 Parapet Mount SBP-156LMW, SBP-300LMW Corner Mount SBP-156LMW, SBP-300KMW1 Cabinet SBP-300NBW Certifications & Standards FCC 47 CFR 15 Subpart B Class A Less A Less-3(A)/NMB-3(A) CE/UKCA - EN 55032 Class A EN 50130-4 VCCI CISPR 32 Class A RCM AS/NZS CISPR 32 C	Product Dimensions / Weight	ø184.9x318.8mm(7.28x12.55") / 5600g (12.34lb)
Wall Mount SBP-156WMW, SBP-390WMW2 Pole Mount SBP-300PMW2 Parapet Mount SBP-156LMW, SBP-156LMW1, SBP-300LMW Corner Mount SBP-300NBW Cabinet SBP-300NBW Certifications & Standards EMC FCC 47 CFR 15 Subpart B Class A LCES-3(A)/NMB-3(A) CCE/UKCA - EN 55032 Class A, EN 50130-4 VCCI CISPR 32 Class A RCM AS/NZS CISPR 32 Class	Hanging Mount (Dome)	SBP-156HMW
Pole Mount SBP-300PMW2 Parapet Mount SBP-156LMW, SBP-156LMW1, SBP-300LMW Corner Mount SBP-156KMW, SBP-300KMW1 Cabinet SBP-300NBW Certifications & Standards EMC	Ceiling Mount (Assy)	SBP-156CMW, SBP-300CMTS, SBP-300CMW1/900CMW, SBP-150CMI/300CMI
Parapet Mount SBP-156LMW, SBP-300LMW Corner Mount SBP-156KMW, SBP-300KMW1 Cabinet SBP-300NBW Certifications & Standards FCC 47 CFR 15 Subpart B Class A ICES-3(A)/NMB-3(A) CE/UKCA CE/U	Wall Mount	SBP-156WMW, SBP-390WMW2
Corner Mount SBP-156KMW, SBP-300KMW1 Cabinet SBP-300NBW Certifications & Standards EMC FCC 47 CFR 15 Subpart B Class A ICES-3(A)/NMB-3(A) CE/UKCA - EN 55032 Class A, EN 50130-4 VCCI CISPR 32 Class A, EN 50130-4 VCCI CISPR 32 Class A, KS C 9835 Class A, KS	Pole Mount	SBP-300PMW2
Cabinet SBP-300NBW Certifications & Standards FCC 47 CFR 15 Subpart B Class A ICES-3(A)/NMB-3(A) CE/UKCA - EN 55032 Class A, EN 50130-4 VCCI CISPR 32 Class A RCM AS/NZS CISPR 32 Class A RCM AS/NZS CISPR 32 Class A KS C 9832 Class A KS C 9835 Safety UL 62368-1, CAN/CSA C22.2 NO. 62368-1 IEC 622471 Environment EN IEC 63000 IEC 60529 IP66, IEC 62262 IK10 NEMA TS 2-2013 (2.2.7, 2.2.8, 2.2.9) NEMA 250 type 4X DORI (EN62676-4 standard) Detect (25PPM/ 8PPF) Wide: 59.5m(195.3ft) / Tele: 2340.4m(7678.4ft) Observe (63PPM/ 19PPF) Wide: 23.8m(78.1ft) / Tele: 936.2m(3071.4ft) Recognize (125PPM/ 38PPF) Wide: 11.9m(39.1ft) / Tele: 468.1m(1535.7ft)	Parapet Mount	SBP-156LMW, SBP-156LMW1, SBP-300LMW
Certifications & Standards EMC	Corner Mount	SBP-156KMW, SBP-300KMW1
EMC FCC 47 CFR 15 Subpart B Class A ICES-3(A)/NMB-3(A) CE/UKCA - EN 55032 Class A, EN 50130-4 VCCI CISPR 32 Class A RCM AS/NZS CISPR 32 Class A KS C 9835 RCM AS/NZS CISPR 32 Class A KS C 9835 RCM AS/NZS CISPR 32 Class A KS C 9835 RCM AS/NZS CISPR 32 Class A RCM AS/NZS CISPR 32 C	Cabinet	SBP-300NBW
EMC FCC 47 CFR 15 Subpart B Class A ICES-3(A)/NMB-3(A) CE/UKCA - EN 55032 Class A, EN 50130-4 VCCI CISPR 32 Class A RCM AS/NZS CISPR 32 Class A KS C 9835 RCM AS/NZS CISPR 32 Class A KS C 9835 RCM AS/NZS CISPR 32 Class A KS C 9835 RCM AS/NZS CISPR 32 Class A RCM AS/NZS CISPR 32 C	Certifications & Standards	
Environment EN IEC 62471		ICES-3(A)/NMB-3(A) CE/UKCA - EN 55032 Class A, EN 50130-4 VCCI CISPR 32 Class A RCM AS/NZS CISPR 32 Class A
IEC 60529 IP66, IEC 62262 IK10 NEMA TS 2-2013 (2.2.7, 2.2.8, 2.2.9) NEMA 250 type 4X	Safety	
Detect (25PPM/8PPF) Wide: 59.5m(195.3ft) / Tele: 2340.4m(7678.4ft) Observe (63PPM/19PPF) Wide: 23.8m(78.1ft) / Tele: 936.2m(3071.4ft) Recognize (125PPM/38PPF) Wide: 11.9m(39.1ft) / Tele: 468.1m(1535.7ft)	Environment	IEC 60529 IP66, IEC 62262 IK10 NEMA TS 2-2013 (2.2.7, 2.2.8, 2.2.9)
Detect (25PPM/8PPF) Wide: 59.5m(195.3ft) / Tele: 2340.4m(7678.4ft) Observe (63PPM/19PPF) Wide: 23.8m(78.1ft) / Tele: 936.2m(3071.4ft) Recognize (125PPM/38PPF) Wide: 11.9m(39.1ft) / Tele: 468.1m(1535.7ft)	DORI (EN62676-4 standard)	
Observe (63PPM/ 19PPF) Wide: 23.8m(78.1ft) / Tele: 936.2m(3071.4ft) Recognize (125PPM/ 38PPF) Wide: 11.9m(39.1ft) / Tele: 468.1m(1535.7ft)	·	Wide: 59.5m(195.3ft) / Tele: 2340.4m(7678.4ft)
Recognize (125PPM/ 38PPF) Wide: 11.9m(39.1ft) / Tele: 468.1m(1535.7ft)		
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2MP 40x AI PTZ Camera with built-in wiper







CAD Unit:mm [inch]

