

S1 SERIES

HCS1WZ4X18A3



WDR 18x 4MP Ex-proof PTZ Dome

OPERATIONAL	
Video Standard	NTSC/PAL
Scanning System	Progressive
Image Sensor	1/2.8" CMOS
Number of Pixels (H x V)	4MP (2592 X 1520)
Minimum Illumination (Color / BW)	Color: 0.01 lux @ F1.6 BW: 0.001 lux @ F1.6 (IR on)
S / N Ratio	≥55 dB
Electronic Shutter Speed	1 to 1/30,000 s
IR Distance	N/A
IR Light Control	N/A
Removable IR-Cut Filter	Yes
Day / Night	Auto(ICR)/Day/Night/Timing
Backlight Compensation	WDR, BLC, HLC
White Balance	Auto/Manual
Gain Control	Auto/Manual
Wide Dynamic Range	120 dB
Noise Reduction	2D/3D DNR
Lens	5.3 ~ 79.5 mm, F1.6 ~ F2.8
Angle Of View (H x V x D)	H: 4.83° ~ 58.2°, V: 2.8° ~ 34°
Optical Zoom	18x
Digital Zoom	16x
Focus Control	Auto/Manual
Privacy Masking	Off / On (5 Areas)
Defog	Supported
Digital Image Stabilization	Supported
Local Storage	Built-in Micro SD card slot (up to 256GB). Micro SD Card is optional and pre-fitted card from factory only.
Pan/Tilt Range	Pan: 0° ~ 360° endless, Tilt: 0 ~ 90 auto flip 180°
Manual Control Speed	Pan: 0.1° ~ 200°/s; Tilt: 0.1° ~ 160°/s
Presets	300
Scan	Supported
Tour	Supported
Auto Resume	Supported
PTZ Status Display	Supported
VIDEO	
Video Compression	H.265 HEVC/H.264/MJPEG, Smart Codec
Resolution	1st: 2592 x 1520/1920 x 1080/1280 x 720 2nd: 704 x 576(PAL)/704 x 480(NTSC)/640 x 480/352 x 288(PAL)/352 x 240(NTSC) 3rd: 640 x 480/352 x 288(PAL)/352 x 240(NTSC)/320 x 240
Number of Video Streams	3 (2 for encryption)
Frame Rate	Main/Second Stream: MAX 30 fps (MAX 15 fps for encryption under HTTPS) Third Stream: MAX 30 fps (Not available for encryption)
Bit Rate	100 K ~ 12 Mbps(15 K ~ 2 Mbps for encryption)

NETWORK	
Ethernet	10 Base-T/100 Base-TX Ethernet (RJ-45)
Fiber Interface	Standard: 10/100 base-T Single Mode Fiber (single fiber), 1310Tx/1550Rx, LC connector, transmit distance: 20km
Supported Web Browsers	Chrome, Microsoft Edge
Supported OS	Microsoft Window10/11/Server 2016/Server 2019
Protocols*	IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP/Multicast,SMTP, DHCP, NTP, DNS, DDNS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, TLS
Interoperability	ONVIF Profile G/S/T
Maximum Users Access	10 Users (Max 10 Live Stream Simultaneous)
Security	User account and password protection, HTTPS, IP filter, Digest authentication, TLS1.3, Stream encryption, AES128 / 256, SSH / Telnet closed, PCIDSS compliance
Languages Supported	Arabic, Czech, Dutch, English, French, German, Italian, Japanese, Korean, Polish, Portuguese (Brazil), Russian, Spanish, Turkish
EVENTS / ANALYTICS	
Video Analytics	Motion Detection, Smart Motion, Scene Change, Intrusion, Multi-Loitering, People Counter, Line Crossing
Event Type	Video Motion Detection, Recording Notification, Tampering
Event Linkage	Event notification using digital output, Email and MicroSD card
Region Of Interest	8
ELECTRICAL	
Power Source	AC100-240V, 50/60Hz, PoE+/PoE++ (IEEE802.3at/bt) (Default) or AC24V/DC24V, or DC12V (Optional)
Power Consumption (Max)	18.5W (with heater)
MECHANICAL	
Dimensions (D x D x H)	245 x 245 x 403 mm (without bracket)
Product Weight	13.5kg (without bracket)
Body Material	Electro-polished 316L stainless steel
Anti-Corrosion Coating*	Option available (see ordering information) RAL color code: RAL 9006 (white aluminium)
ENVIRONMENTAL	
Operating Temperature	-40°C ~ 60°C (-40°F ~ 140°F)
Relative Humidity	Less than 95 %, non-condensing 25°C
Ingress Protection	IP66, IP68
REGULATORY	
ATEX	Ex II 2G Ex db IIC T6 Gb/Ex 2D tb IIIC T80°C Db
IECEX	Ex db IIC T6 Gb/Ex tb IIIC T80°C Db
CE	EN55032, EN55035, EN50130-4, EN IEC 61000-3-2, EN61000-3-3, IEC62368-1, EN IEC 62368-1
ROHS	CE (EN 63000), UAE

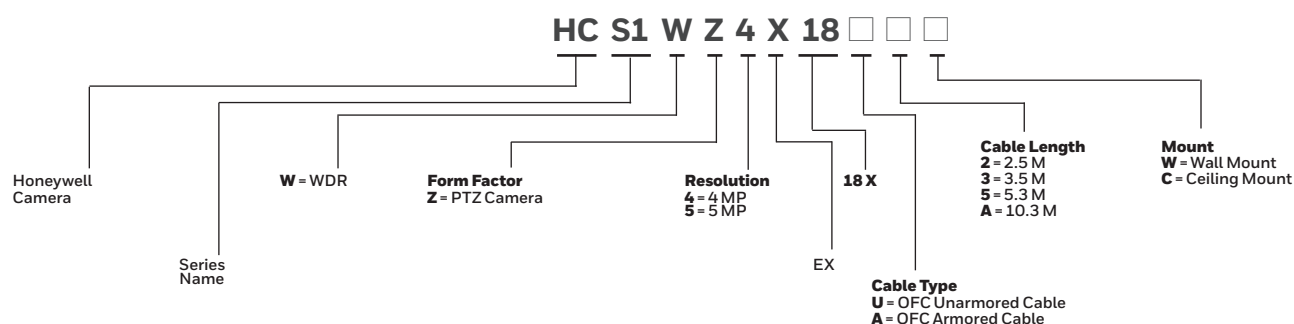
*An optional anti-corrosion protective coating can be applied to the SS316L stainless steel enclosure to further enhance the corrosion resistance of the camera body.

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SYSTEM COMPATIBILITY

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Pro-watch NVR	Up to 256 IP channels RAID5/6 enterprise NVR
Maxpro NVR PE	Up to 128 IP channels RAID5/6 enterprise NVR
Maxpro NVR SE	Up to 64 IP channels system NVR
Maxpro NVR XE	Up to 16 IP channels system NVR
Maxpro NVR software	Up to 128 IP channels recording software
Honeywell DVM	Supported with Honeywell DVM R700, DVM R620

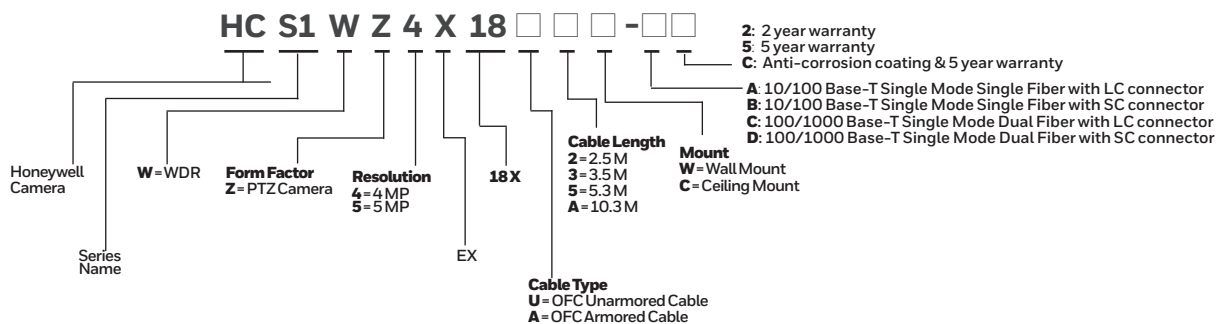
ORDERING



STANDARD MODEL NUMBER (As shown in the label & certification)	
HCS1WZ4X18A3W	4MP Exproof IR PTZ, 18x Optical Zoom, Smart Codec/ H.265/ H.264, Built-in Video Analytics, 100-240VAC, IP66, IP68, 3m armoured cable, wall mount select the bundle/customization ordering part number options below (Fiber interface, warranty, corrosion proof coating)
HCS1WZ4X18A3C	4MP Exproof IR PTZ, 18x Optical Zoom, Smart Codec/ H.265/ H.264, Built-in Video Analytics, 100-240VAC, IP66, IP68, 3m armoured flex cable, ceiling mount select the bundle/customization ordering part number options below (Fiber interface, warranty, corrosion proof coating)
HCS1WZ4X18U3W	4MP Exproof IR PTZ, 18x Optical Zoom, Smart Codec/ H.265/ H.264, Built-in Video Analytics, 100-240VAC, IP66, IP68, 3m unarmoured flex cable, wall mount select the bundle/customization ordering part number options below (Fiber interface, warranty, corrosion proof coating)
HCS1WZ4X18U3C	4MP Exproof IR PTZ, 18x Optical Zoom, Smart Codec/ H.265/ H.264, Built-in Video Analytics, 100-240VAC, IP66, IP68, 3m unarmoured flex cable, ceiling mount select the bundle/customization ordering part number options below (Fiber interface, warranty, corrosion proof coating)

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ORDERING



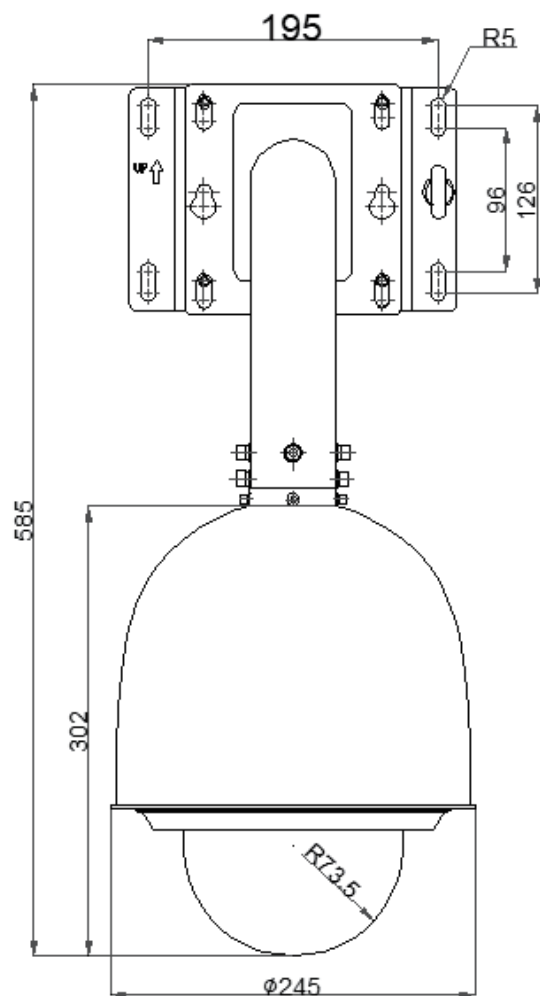
ORDERING PART NUMBER

(Customization options for fiber converter module, warranty, anti-corrosion coating)

HCS1WZ4X18A3W-C2	HCS1WZ4X18A3W with 100/1000 Base-T Single Mode Dual Fiber with LC connector
HCS1WZ4X18A3C-C2	HCS1WZ4X18A3C with 100/1000 Base-T Single Mode Dual Fiber with LC connector
HCS1WZ4X18U3W-C2	HCS1WZ4X18U3W with 100/1000 Base-T Single Mode Dual Fiber with LC connector
HCS1WZ4X18U3C-C2	HCS1WZ4X18U3C with 100/1000 Base-T Single Mode Dual Fiber with LC connector
HCS1WZ4X18A3W-C5	HCS1WZ4X18A3W with 100/1000 Base-T Single Mode Dual Fiber with LC connector
HCS1WZ4X18A3C-C5	HCS1WZ4X18A3C with 100/1000 Base-T Single Mode Dual Fiber with LC connector
HCS1WZ4X18U3W-C5	HCS1WZ4X18U3W with 100/1000 Base-T Single Mode Dual Fiber with LC connector
HCS1WZ4X18U3C-C5	HCS1WZ4X18U3C with 100/1000 Base-T Single Mode Dual Fiber with LC connector
HCS1WZ4X18A3W-CC	HCS1WZ4X18A3W with 100/1000 Base-T Single Mode Dual Fiber with LC connector,with anti-corrosion coating
HCS1WZ4X18A3C-CC	HCS1WZ4X18A3C with 100/1000 Base-T Single Mode Dual Fiber with LC connector,with anti-corrosion coating
HCS1WZ4X18U3W-CC	HCS1WZ4X18U3W with 100/1000 Base-T Single Mode Dual Fiber with LC connector,with anti-corrosion coating
HCS1WZ4X18U3C-CC	HCS1WZ4X18U3C with 100/1000 Base-T Single Mode Dual Fiber with LC connector,with anti-corrosion coating

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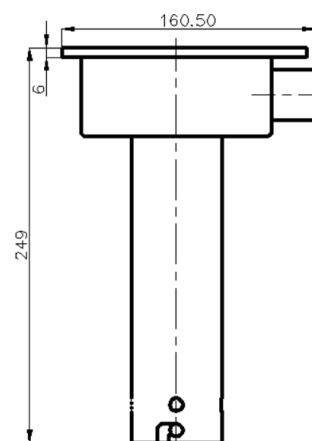
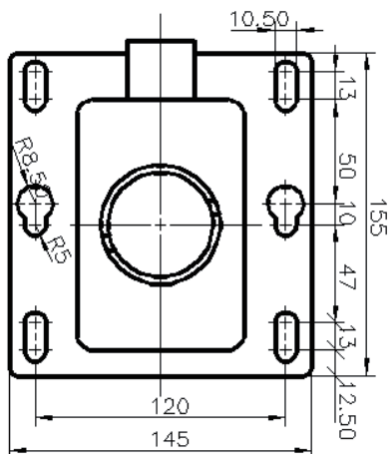
DIMENSIONS



Wall bracket



Ceiling mounted bracket



For More Information

hwl.co/securityUK

hwl.co/securityAE

Building Automation

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