S1 SERIES
HCS1WZ5XR30W



5MP 30x Ex-proof IR PTZ

OPERATIONAL	
Video Standard	NTSC/PAL
Scanning System	Progressive
Image Sensor	1/2.8" CMOS
Number Of Pixels(H x V)	2592×1944
Minimum Illumination (Color/BW)	Color: 0.005 lux @F1.6 BW: 0 lux @F1.6 (IR on)
S/N Ratio	50dB
Electronic Shutter Speed	1/1 to 1/36,000s
IR Distance	200m
IR Light Control	Smart IR (Auto/Manual) / OFF
Day/Night	Auto (ICR) / Day / Night
Backlight Compensation	WDR, BLC, HLC
White Balance	Auto / Fixed Current / Manual
Gain Control	0-100%
Wide Dynamic Range	120 dB
Noise Reduction	2D/3D DNR
Lens	5.3 ~ 159mm, P-Iris, F1.6 ~ F4.3
Angle Of View (H x V x D)	H: 56.62°-2.48°, V: 42.76° -1.91°
Optical Zoom	30x
Digital Zoom	16x
Focus Control	Auto/Manual
Privacy Masking	Off / On
Defog	Supported
Electric 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.
Alarm Inputs/Outputs	5 Alarm In 2 Alarm Out (include 1 dedicated alarm out for washer control)
Pan/Tilt Range	Pan: 0° ~ 360° endless, Tilt: -90° ~ +90°
Manual Control Speed	Pan: 0° ~ 40°/s, Tilt:0° ~ 30°/s
Preset Speed	Pan: 0°/s, Tilt: 30°/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 1944/2592 x 1520/1920 x 1080/1280 x 720 2nd: 704 * 576(PAL)/704 * 480(NTSC)/640 * 480/352 * 288(PAL)/352 * 240(NTSC) 3rd: 640 * 480/352 * 288(PAL)/352 * 240(NTSC)/320 * 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	100K~12 Mbps (15K~2 Mbps for encryption)

AUDIO	
Audio Compression	G.711a/ G.711Mu
Audio Interface	Line In/Out

NETWORK	
Ethernet	1 x 10 Base-T/100 Base-TX Ethernet (RJ-45)
Fiber Interface	Standard: 10/100 base- T Single Mode Fiber (single fiber), 1310T/1550R, FC connector Optional (required to be specified in the order): 100/1000 base- T Single Mode dual Fiber (duplex), 1310nm, LC connector
Supported Web Browsers	Chrome, Edge
Supported OS	Microsoft Window10/11/2016/2019
Protocols*	Pv4, 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
Security	User account and password protection, HTTPS, IP Filter, Digest authentication, TLS1.2 only, Stream encryption, AES128/256, SSH/Telnet closed
Languages Supported	Arabic, Czech, Dutch, English, French, German, Italian, Japanese, Korean, Polish, Portuguese (Brazil), Russian, Spanish, Turkish

EVENTS / ANALYTICS	
Video Analytics	People counting, Multi Loitering, Intrusion, Tampering, SMD, Motion Detection
Event Type	Video motion detection, Alarm input, Recording notification, Tampering
Event Linkage	Event notification using digital output, Email and MicroSD card
Region of Interest	8

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ELECTRICAL	
Power Source	Options for 100-240Vac; 24Vdc, 24 Vac, POE++
Power Consumption (Max)	Less than 75 W (100~240V a.c)

MECHANICAL	
Dimensions (D x D x H)	530 x 295 x 420mm
Product Weight	38 kg
Package Weight	48 kg (without flexible tube)
Body Material	Electro-polished 316L stainless steel construction
Armoured cable	HCS1WZ5XR30W□A□
Unarmoured cable	HCS1WZ5XR30W□U□

ENVIRONMENTAL	
Operating Temperature	-40°C ~ 70°C
Relative Humidity	Less than 95 %, non-condensing
Ingress Protection	IP66, IP68
Heater	Built-in
Wiper	Supported
Washer	Supported

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

RECOMMENDED ACCESSORIES

SYSTEM INTEGRATION*	
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

**Please refer to the NVR integration matrix for more information.*

OPTIONAL MOUNTS AND ACCESSORIES		
HAS1WLMZE		PTZ Wall mount bracket
HAS1JCBEA3		Explosion-proof junction box (4 holes)
HAS1WSTEA10		Explosion-proof Washing System, 10Liter washing tank

ORDERING

HCS1WZ5XR30W □□□

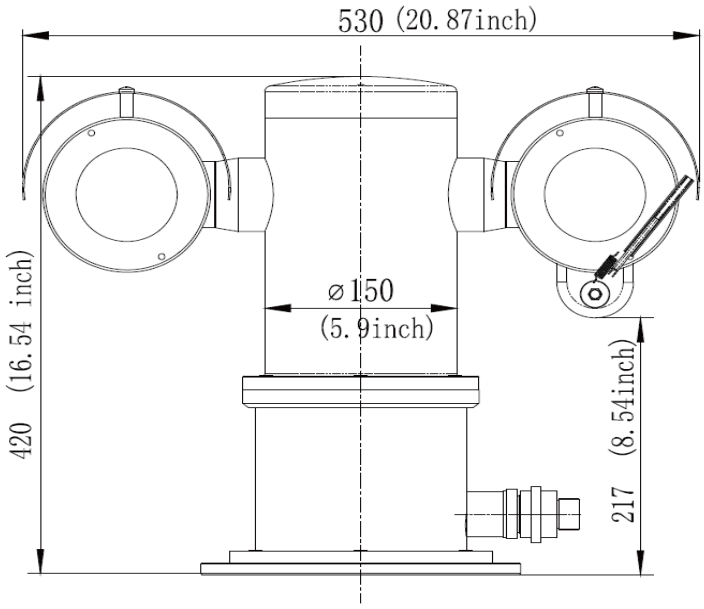
- Cable length: 5=5m; A=10m
- U: OFC unarmored cable; A: OFC armored Cable
- A: 100-240VAC; B:24VAC; C: PoE++(48Vd.c)

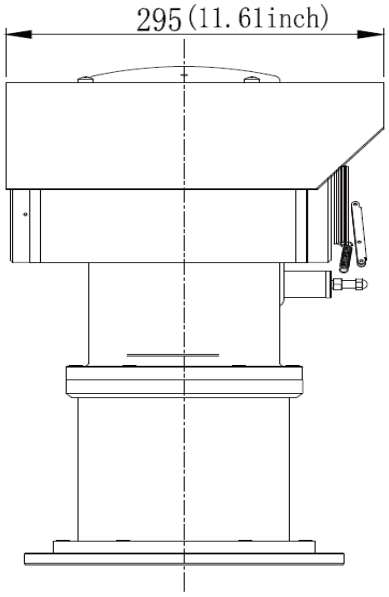
ORDERING	
HCS1WZ5XR30WAU5	5MP Exproof IR PTZ, 30x Optical Zoom, 200m IR,5m unarmoured flexible cable, Single mode Fiber,1 Explosion-proof Gland, IP68, Wiper, 100-240Vac
HCS1WZ5XR30WAUA	5MP Exproof IR PTZ, 30x Optical Zoom, 200m IR,10m unarmoured flexible cable, Single mode Fiber,1 Explosion-proof Gland, IP68, Wiper, 100-240Vac
HCS1WZ5XR30WAA5	5MP Exproof IR PTZ, 30x Optical Zoom, 200m IR,5m armoured cable, Single mode Fiber ,1 Explosion-proof Gland, IP68, Wiper, 100-240Vac
HCS1WZ5XR30WAAA	5MP Exproof IR PTZ, 30x Optical Zoom, 200m IR, 10m armoured cable, Single mode Fiber, 1 Explosion-proof Gland, IP68, Wiper, 100-240Vac

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DIMENSIONS





For more information
buildings.honeywell.com/security

Honeywell Commercial Security
Emaar Business Park,
Sheikh Zayed Road, Building No. 2,
2nd floor, 201
Post Office Box 232362
Dubai, United Arab Emirates
Tel: +971 4 450 5800
www.honeywell.com

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