

S1 SERIES

HCS1WZ5CR30WXXX*

WDR 30x 5MP Corrosion-proof IR PTZ

Honeywell's latest corrosion-proof PTZ network camera is a good fit for onshore, offshore, marine, and heavy industrial installations in challenging environments. The camera features a 316L stainless steel housing. The HCS1WZ5CR30WXXX cameras provide extremely crisp video with up to 5 million effective pixels, 30x optical zoom, and True Day/Night WDR for continuous surveillance in both hazardous and safe area applications. This product complies with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in ocean, port, chemical plant and other atmospheres.



*Images/Certifications/logo for illustration purpose only.

Certification

- AISI 316L stainless steel construction
- Certified temperature applications: -40°C to 60°C (-40°F to 140°F)
- M25x1.5 threaded hole for use of cable glands or conduit
- IP68 rating guarantees complete protection against harsh weather
- This product is Optical Radiation and Dust Ignition protection by enclosure.

Flexible Surveillance Solution

- 5MP 30fps, 30x optical zoom and P-Iris lens providing maximum flexibility to clearly view the target
- H.265, H.264 and MJPEG codec, triple stream support
- Support for unicast and multicast mode for streaming
- ONVIF Profile S, G and T compliant
- Supports Loitering, Intrusion, Tampering, SMD, Motion Detection analytics
- Contain no content or material from any companies or their subsidiaries prohibited under US National Defense Authorization Act (NDAA) Section 889 and can be used as part of video systems which comply with NDAA Section 889

Easy to Install and Use

- 100~240V AC power input
- Built-in heater
- Integrated wiper and washer control system operated from web client or preset
- 10 meters cable with options unarmoured RJ45 interface and armoured RJ45 and FC Fiber Optic interface.
- Remote configuration, motorized zoom adjustments and auto focus through web client

Market Opportunities

The camera features stainless steel housing and offers 5MP high resolution image quality. They are ideally suited for video surveillance monitoring of onshore, offshore, marine, and heavy industrial environments, such as the oil and gas industries, as well as dusty environments, such as the paper and textile industries.

IEC/ANSI /Cyber security certification for Honeywell

Features And Benefits

- | | | | | |
|---|--|---|---|--|
| • 5MP high resolution camera to capture more | • 5.3–159 mm, F1.6–F4.3, P-Iris, 30x optical zoom lens | • Multiple, selectable compression formats (H.265 HEVC/H.264/MJPEG) | • Global language support with web GUI in 14 languages | • Optional stream encryption – camera to Maxpro under AES256 providing secure data integrity and privacy |
| • 1/2.8" progressive scan image sensor | • Up to triple stream support | • People counting, Loitering, Trip wire, SMD | • NDAA complaint | • ONVIF Profile S, G and T compliant |
| • Excellent low light performance with min. illumination of 0.005 lux Color | • Support for Electronic image stabilizer (EIS) | • Tempered glass with sun shroud | • 100~240V AC power input | • Water resistant IP66, IP68 ingress protection rating |
| | • True WDR: 120 dB | | • Cyber Security features include signed certificates and data encryption | |

*The camera only supports the single mode & single core fiber and SFP.
For single mode & single fiber:
1-100/10M Single mode Single fiber,
1310Tx/1550Rx, SC connector,
transmit distance:20km

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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	Auto/Manual
Day/Night	Auto (ICR) / Day / Night / Timing
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, 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 (up to 40 Areas)
Defog	Supported
Electric Image Stabilization	Supported
Local Storage	Built-in Micro SD card slot (up to 256GB, SD card should be preinstalled)
Alarm Inputs/Outputs	5 ch Input, 1 ch Output
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 (special preset from 80 to 115 are visible from VMS only)
Scan	Supported
Tour	Supported
Auto Resume	Supported
PTZ Status Display	Supported
Wiper	Supported(Preset 103, Available to call preset 103 from VMS)
Washer	Supported(Preset 116)
PTZ Protocol	Pelco-D, Pelco-P protocol 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 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	100K~12 Mbps (15K~2 Mbps for encryption)

AUDIO	
Audio Compression	G.711a/ G.711Mu
Audio Interface	1 ch Input, 1 ch Output
NETWORK	
Ethernet	1 × RJ-45, 10/100 Mbps self-adaptive Ethernet port
Supported Web Browsers	Chrome, MicroSoft 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 (Max 10 Live Stream Simultaneously)
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, Loitering, Trip wire, SMD
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
ELECTRICAL	
Power Source	100-240V a.c, 24V a.c or 24V d.c or or POE+ (48V a.c) optional
Power Consumption (Max)	Less than 75 W (100~240V a.c)
MECHANICAL	
Dimensions (D x D x H)	516.4 x 301.5 x 396.7mm (20.33" x 11.87" x 15.62")
Product Weight	36 kg
Package Weight	46 kg (without flexible tube)
Body Material	Marine corrosion proof stainless steel 316L
Armoured cable	HCS1WZ5CR30W□A□
ENVIRONMENTAL	
Operating Temperature	-40°C ~ 60°C (-40°F ~ 140°F)
Relative Humidity	Less than 95 %, non-condensing 25°C
Ingress Protection	IP66, IP68
Country of Origin	China
Warranty	2 years
REGULATORY	
Emissions	CE (EN 55032)
Immunity	CE (EN 50130-4, EN 55035)
Safety	CE (EN 62368-1)
RoHS	CE (EN IEC 63000), UAE (Cabinet Decree No.10 of 2017)

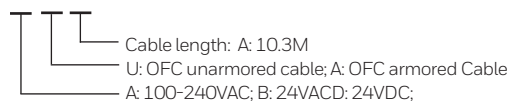
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RECOMMENDED ACCESSORIES

SYSTEM INTEGRATION		OPTIONAL MOUNTS AND ACCESSORIES		
Pro-Watch NVR	Up to 256 IP channels RAID5 / 6 enterprise NVR	HAS1WLMZE		PTZ wall bracket
Maxpro NVR PE	Up to 128 IP channels RAID5 / 6 enterprise NVR	HAS1WSTCA20		Corrosion-proof washing system, 20 liter washing tank
Maxpro NVR SE	Up to 64 IP channels system NVR	HAS1PLMZE		PTZ pole mount
Maxpro NVR XE	Up to 16 IP channels system NVR	HAS1CNMZE		PTZ corner mount
Maxpro NVR Software	Up to 128 IP channels recording software			
Honeywell DVM	Supported with Honeywell DVM R710			

ORDERING

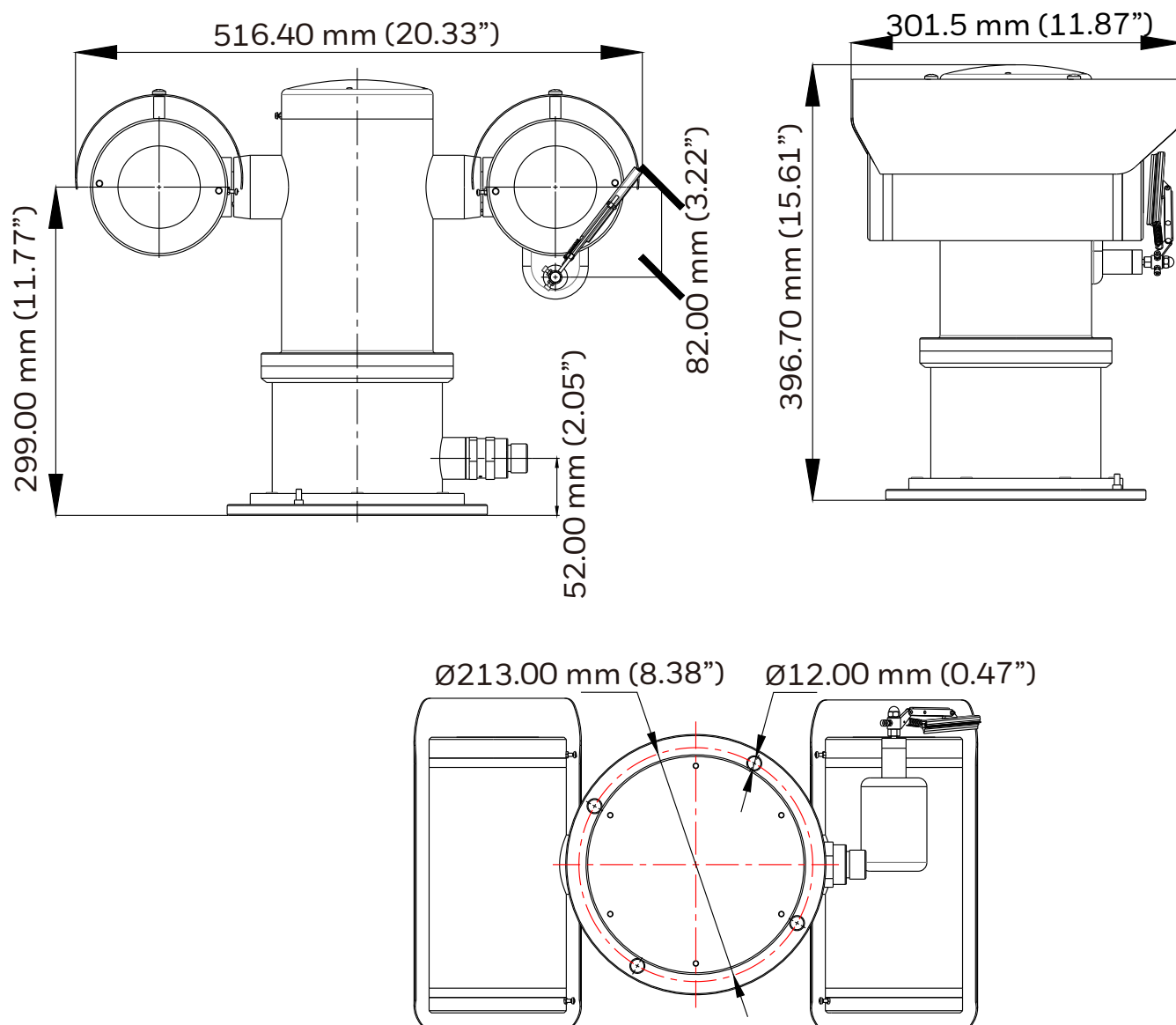
HCS1WZ5CR30W ☐☐☐



ORDERING	
HCS1WZ5CR30WAAA	WDR 30x 5MP Corrosion-proof IR PTZ, 30x Optical Zoom, AC100-240V, IP68 Built-in optical fiber convert module, 1 port-single mode single fiber, 1310T/1550R, with FC port, 10m armored cable, 1 Cable gland
HCS1WZ5CR30WAUA	WDR 30x 5MP Corrosion-proof IR PTZ, 30x Optical Zoom, AC100-240V, IP68 Built-in optical fiber convert module, 1 port-single mode single fiber, 1310T/1550R, with FC port, 10.3m unarmored cable, 1 Cable gland
HCS1WZ5CR30WBUA	WDR 30x 5MP Corrosion-proof IR PTZ, 30x Optical Zoom, 24VAC, IP68 Built-in optical fiber convert module, 1 port-single mode single fiber, 1310T/1550R, with FC port, 10.3m unarmored cable, 1 Cable gland
HCS1WZ5CR30WBAA	WDR 30x 5MP Corrosion-proof IR PTZ, 30x Optical Zoom, 24VAC, IP68 Built-in optical fiber convert module, 1 port-single mode single fiber, 1310T/1550R, with FC port, 10.3m armored cable, 1 Cable gland
HCS1WZ5CR30WDUA	WDR 30x 5MP Corrosion-proof IR PTZ, 30x Optical Zoom, 24VDC, IP68 Built-in optical fiber convert module, 1 port-single mode single fiber, 1310T/1550R, with FC port, 10.3m unarmored cable, 1 Cable gland
HCS1WZ5CR30WDAA	WDR 30x 5MP Corrosion-proof IR PTZ, 30x Optical Zoom, 24VDC, IP68 Built-in optical fiber convert module, 1 port-single mode single fiber, 1310T/1550R, with FC port, 10.3m armored cable, 1 Cable gland

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DIMENSIONS



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