

S1 SERIES

HCS1WB5XD30WXXX

WDR 30x 5MP Exproof IR Bullet

Honeywell's latest explosion-protected bullet network camera is a good fit for onshore, offshore, marine, and heavy industrial installations in hazardous and challenging environments. The camera features a 316L stainless steel housing certified for hazardous areas according to ATEX & IECEx. The housing prevents any interior sparks or explosions from escaping and igniting the gases or dust in the surrounding air. The HCS1WB5XD30WXXX 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 potentially explosive atmospheres.



*Images/Certifications/logo for illustration purpose only.

Explosion-Proof Certification

- ATEX and IECEx certified with AISI 316L stainless steel construction
- Certified for use in Gas Zone 1 & 2 (Class IIA, IIB, IIC) and Dust Zone 21 & 22 (Class IIIA, IIIB, IIIC)
- Certified temperature for explosion-proof applications: -40°C to 70°C (-40°F to 158°F)
- M25x1.5 threaded hole for use of cable glands or conduit
- IP66, IP68 & IP69 rating guarantees complete protection against harsh weather

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, T and M 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

Features And Benefits

- | | | | | |
|---|---|---|--|---|
| <ul style="list-style-type: none">• 5MP high resolution camera to capture more• 1/2.8" progressive scan image sensor• Excellent low light performance with min. illumination of 0.005 lux Color | <ul style="list-style-type: none">• 5.3–159 mm, F1.6–F4.3, P-Iris, 30x optical zoom lens• Up to triple stream support• Support for Electronic image stabilizer (EIS)• True WDR: 120 dB | <ul style="list-style-type: none">• Multiple, selectable compression formats (H.265 HEVC/H.264/MJPEG)• People counting, Loitering, Trip wire, SMD• Tempered glass with sun shroud | <ul style="list-style-type: none">• Global language support with web GUI in 14 languages• NDAA complaint• 100~240VAC power input• Cyber Security features include signed certificates and data encryption | <ul style="list-style-type: none">• Optional stream encryption – camera to Maxpro under AES256 providing secure data integrity and privacy• ONVIF Profile S, G, T and M compliant• Water resistant IP66, IP68, IP69 ingress protection rating |
|---|---|---|--|---|

Easy to Install and Use

- 100~240VAC, 24VAC or 24VDC or PoE++ power input options
- Built-in heater
- Integrated wiper and washer control system operated from web client or preset
- 3, 5 and 10 meters cable with options unarmoured RJ45 interface and armoured RJ45 and LC/FC/SC 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

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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 x 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 1/30,000s
IR Distance	200m
IR Light Control	Smart IR (Auto/Manual) / Off
Day/Night	Auto (ICR) / Day / Night / Timing
Backlight Compensation	WDR, BLC, HLC
White Balance	Auto/Tungsten/Daylight/Manual
Gain Control	0-100%
Wide Dynamic Range	120 dB
Noise Reduction	2D/3D DNR
Lens	5.3 ~ 159 mm, 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 (up to 40 Areas)
Defog	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	2 alarm in, 1 alarm out
Digital Image Stabilization	Supported
Presets	2
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: 1920 x 1080/640 x 480/352 x 288(PAL)/352 x 240(NTSC)/320 x 240
Number of Video Streams	3
Frame Rate	Max 30/25 fps under HTTP/ HTTPS* (Main Stream 5MP Max + Sub Stream D1 Max + 3rd stream 2MP Max)
Bit Rate	100K~12 Mbps (15K~ 4 Mbps for encryption)
AUDIO	
Audio Compression	G.711a/ G.711Mu
Audio Interface	1 ch Input, 1 ch Output

* SD card recording should be disabled for encryption enabled streams.

** 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.

NETWORK	
Ethernet	1 x RJ-45, 10/100 Mbps self-adaptive Ethernet port
Fiber Interface	Standard: 10/100 base-T Single Mode Fiber (single fiber), 1310Tx/1550Rx, LC connector, transmit distance: 20 km
Supported Web Browsers	Chrome, MicroSoft Edge
Supported OS	Microsoft Window10/11/Server 2016/Server 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 S/G/T/M
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	Motion detection, Smart motion, Scene change, Intrusion, Multi-loitering, People counter, Line crossing
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	100~240VAC, 24VAC or 24VDC or PoE++ (48VDC) optional
Power Consumption (Max)	Less than 36 W (100~240VAC)
MECHANICAL	
Dimensions (D x D x H)	523 x 406 x 221mm (20.59" x 15.98" x 8.70")
Product Weight	17.5 kg
Package Weight	21kg (without flexible tube)
Body Material	Electro-polished 316L stainless steel construction
Ant-Corrosion Coating**	Option available (see ordering information) RAL color code: RAL 9006 (white aluminium)
Armoured cable	HCS1WB5XD30W□A□
Unarmoured cable	HCS1WB5XD30W□U□
ENVIRONMENTAL	
Operating Temperature	-40°C ~ 70°C (-40°F ~ 158°F))
Relative Humidity	Less than 95 %, non-condensing 25°C
Ingress Protection	IP66, IP68, IP69
Heater	Built-in
Wiper	Supported
Washer	Supported (24VDC output)
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

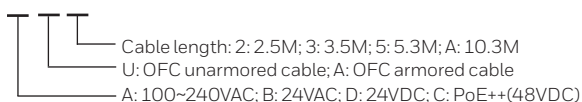
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RECOMMENDED ACCESSORIES

SYSTEM INTEGRATION		OPTIONAL MOUNTS AND ACCESSORIES		
Pro-Watch NVR	Up to 256 IP channels RAID5 / 6 enterprise NVR	HAS1WLMBE		Bullet wall bracket
Maxpro NVR PE	Up to 128 IP channels RAID5 / 6 enterprise NVR	HAS1JCBEA34**		Explosion-proof junction box (4 holes)
Maxpro NVR SE	Up to 64 IP channels system NVR	HAS1JCBEA36**		Explosion-proof junction box (6 holes)
Maxpro NVR XE	Up to 16 IP channels system NVR	HAS1WSTE10-EXF		Explosion-proof washing system, 10 liter washing tank
Maxpro NVR Software	Up to 128 IP channels recording software	HAS1PLME		Bullet pole mount
Honeywell DVM	Supported with Honeywell DVM R710	HAS1CNME		Bullet corner mount

ORDERING

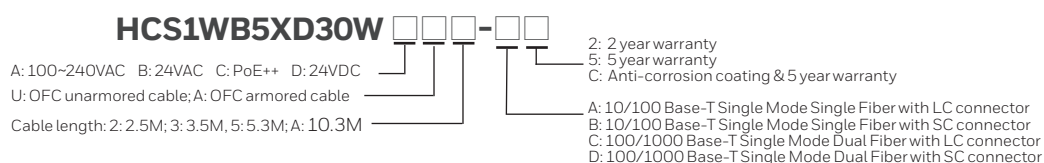
HCS1WB5XD30W ☐☐☐



STANDARD MODEL NUMBER (As shown in the label & certification)	
HCS1WB5XD30WAU5	5MP Exproof IR Bullet, 30x Optical Zoom, 200m IR, WDR, Defog, EIS, Smart Codec/ H.265/ H.264, Built-in Video Analytics, 5m unarmored flex cable,100-240VAC, IP66, IP68, IP69, SD card slot Select the bundle/customization options (Fiber converter, warranty, corrosion proof coating)
HCS1WB5XD30WAUA	5MP Exproof IR Bullet, 30x Optical Zoom, 200m IR, WDR, Defog, EIS, Smart Codec/ H.265/ H.264, Built-in Video Analytics, 10m unarmored flex cable,100-240VAC, IP66, IP68, IP69, SD card slot Select the bundle/customization options (Fiber converter, warranty, corrosion proof coating)
HCS1WB5XD30WAA5	5MP Exproof IR Bullet, 30x Optical Zoom, 200m IR, WDR, Defog, EIS, Smart Codec/ H.265/ H.264, Built-in Video Analytics, 5m armored cable,100-240VAC, IP66, IP68, IP69, SD card slot Select the bundle/customization options (Fiber converter, warranty, corrosion proof coating)
HCS1WB5XD30WAAA	5MP Exproof IR Bullet, 30x Optical Zoom, 200m IR, WDR, Defog, EIS, Smart Codec/ H.265/ H.264, Built-in Video Analytics, 10m armored cable,100-240VAC, IP66, IP68, IP69, SD card slot Select the bundle/customization options (Fiber converter, warranty, corrosion proof coating)

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ORDERING



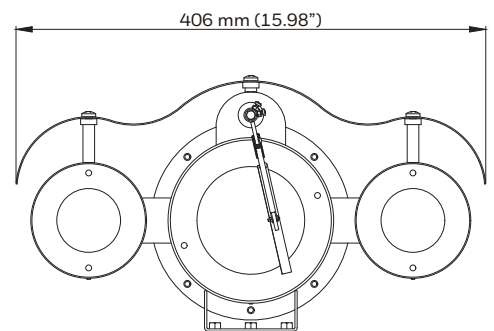
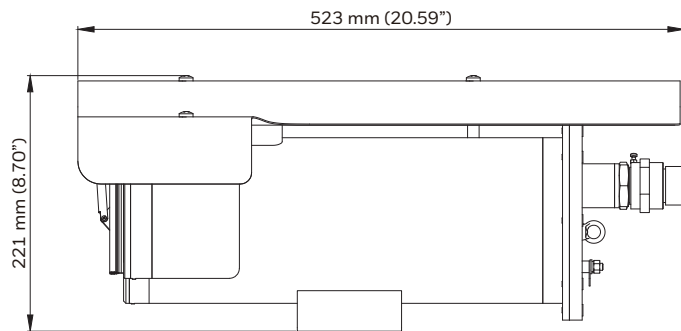
ORDERING PART NUMBER

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

HCS1WB5XD30WAU5-A2	HCS1WB5XD30WAU5 with built-in 10/100 Base-T Single Mode Single Fiber with LC connector
HCS1WB5XD30WAU5-A5	HCS1WB5XD30WAU5 with built-in 10/100 Base-T Single Mode Single Fiber with LC connector
HCS1WB5XD30WAU5-AC	HCS1WB5XD30WAU5 with built-in 10/100 Base-T Single Mode Single Fiber with LC connector, anti-corrosion coating
HCS1WB5XD30WAU5-C2	HCS1WB5XD30WAU5 with built-in 100/1000 Base-T Single Mode Dual Fiber with LC connector
HCS1WB5XD30WAU5-C5	HCS1WB5XD30WAA5 with built-in 100/1000 Base-T Single Mode Dual Fiber with LC connector
HCS1WB5XD30WAU5-CC	HCS1WB5XD30WAU5 with built-in 100/1000 Base-T Single Mode Dual Fiber with LC connector, anti-corrosion coating
HCS1WB5XD30WAAU-A2	HCS1WB5XD30WAAU with built-in 10/100 Base-T Single Mode Single Fiber with LC connector
HCS1WB5XD30WAAU-A5	HCS1WB5XD30WAAU with built-in 10/100 Base-T Single Mode Single Fiber with LC connector
HCS1WB5XD30WAAU-AC	HCS1WB5XD30WAAU with built-in 10/100 Base-T Single Mode Single Fiber with LC connector, anti-corrosion coating
HCS1WB5XD30WAAU-C2	HCS1WB5XD30WAAU with built-in 100/1000 Base-T Single Mode Dual Fiber with LC connector
HCS1WB5XD30WAAU-C5	HCS1WB5XD30WAAU with built-in 100/1000 Base-T Single Mode Dual Fiber with LC connector
HCS1WB5XD30WAAU-CC	HCS1WB5XD30WAAU with built-in 100/1000 Base-T Single Mode Dual Fiber with LC connector, anti-corrosion coating
HCS1WB5XD30WAA5-A2	HCS1WB5XD30WAA5 with built-in 10/100 Base-T Single Mode Single Fiber with LC connector
HCS1WB5XD30WAA5-A5	HCS1WB5XD30WAA5 with built-in 10/100 Base-T Single Mode Single Fiber with LC connector
HCS1WB5XD30WAA5-AC	HCS1WB5XD30WAA5 with built-in 10/100 Base-T Single Mode Single Fiber with LC connector, anti-corrosion coating
HCS1WB5XD30WAA5-C2	HCS1WB5XD30WAA5 with built-in 100/1000 Base-T Single Mode Dual Fiber with LC connector
HCS1WB5XD30WAA5-C5	HCS1WB5XD30WAA5 with built-in 100/1000 Base-T Single Mode Dual Fiber with LC connector
HCS1WB5XD30WAA5-CC	HCS1WB5XD30WAA5 with built-in 100/1000 Base-T Single Mode Dual Fiber with LC connector, anti-corrosion coating
HCS1WB5XD30WAAA-A2	HCS1WB5XD30WAAA with built-in 10/100 Base-T Single Mode Single Fiber with LC connector
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HCS1WB5XD30WAAA-CC	HCS1WB5XD30WAAA with built-in 100/1000 Base-T Single Mode Dual Fiber with LC connector, anti-corrosion coating

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DIMENSIONS



For More Information

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hwl.co/securityAE

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