





Stainless IR Fisheye Camera











Key Features

- 1/2.3" 12MP CMOS
- 1.08mm fixed focal lens
- Stereo graphic type lens enhanced resolution for the peripheral regions
- H.265, H.264, MJPEG codec supported
- Fisheye, Single panorama, Double panorama, Quad view
- On board dewarping, Digital PTZ
- extreme WDR (120dB), WiseStream II support
- Wise IR IR viewable length 8m (26.25ft)
- Virtual channel support
- Plugin support, selectable I/O port
- Video Analytics, Heatmap, People counting
- Queue management
- Stainless Steel
- Motion detection, Handover
- IP66, IP67, IP6K9K, NEMA4X, IK10, IK10+ (it can resist impacts of 40 joules), NSF/ANSI Standard 169 – Special Purpose Food Equipment and Devices



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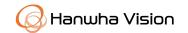




Specifications

Video	
Imaging Device	1/2.3" CMOS
Resolution	Original view(1:1): 3008x3008~480x480 Double panorama(2:1): 3584x1792~640x320 Single panorama(4:1): 3584x896~640x160 Quad view: 3584x2688~640x480 Q1/Q2/Q3/Q4(4:3): 1792x1344~640x480
Max. Framerate	H.265/H.264: Original view-Max. 30fps/25fps@3008x3008(60Hz/50Hz), Double panorama-Max. 30fps/25fps@3584x1792(60Hz/50Hz) Single panorama-Max. 30fps/25fps@3584x896(60Hz/50Hz) MJPEG: Max. 30fps(@9MP Max. 5fps)
Min. Illumination	Color: 0.39Lux(F2.2, 1/30sec, 30IRE) BW: 0Lux(IR LED on)
Video Out	CVBS: 1.0 Vp-p / 75Ω composite, $720x480(N)$, $720x576(P)$, for Installation USB: Micro USB Type B, $1280x720$ for installation
Lens	
Focal Length (Zoom Ratio)	1.08mm fixed focal
Max. Aperture Ratio	F2.2
Angular Field of View	H: 187° / V: 187° / D: 187°
Min. Object Distance	0.5m(1.64ft)
Focus Control	Simple focus
Operational	
Camera Title	Displayed up to 85 characters
Day & Night	Auto(ICR)
Backlight Compensation	BLC, HLC, WDR, SSDR
Wide Dynamic Range	extremeWDR(120dB)
Digital Noise Reduction	SSNR V
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
White Balance	ATW / NarrowATW / AWC / Manual / Indoor / Outdoor
LDC	Support(Fill/stretch mode)
Electronic Shutter Speed	Minimum / Maximum / Anti flicker(2~1/12,000sec) prefer shutter control
Video Rotation	Flip, Mirror
Analytics	Analytics events - Defocus detection, Directional detection, Motion detection, Appear/Disappear, Enter/Exit, Loitering,
	Tampering, Virtual line, Audio detection, Sound classification
Business Intelligence	Tampering, Virtual line, Audio detection, Sound classification People counting, Queue management, Heatmap

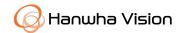
Design and specifications are subject to change without notice. The latest product information / specification can be found at HanwhaVision.com Hanwha Vision is formerly known as Hanwha Techwin.



2 configurable I/O ports
Analytics, Network disconnect, Alarm input, App event, Time schedule, MQTT subscription
When alarm trigger occurred - 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 - Alarm output - Handover: PTZ preset, send message by HTTP/HTTPS/TCP - Audio clip playback - MQTT: publication
Selectable(mic in/line in/built-in mic)
Line out
WiseIR 8m(26.25ft)
Metal shielded RJ-45(10/100BASE-T)
H.265/H.264: Main/Baseline/High, MJPEG
G.711 u-law /G.726 Selectable
G.726(ADPCM) 8KHz, G.711 8KHz G.726: 16Kbps, 24Kbps, 32Kbps, 40Kbps AAC-LC: 48Kbps at 16KHz
Manual(5ea area), WiseStream II
H.264/H.265: CBR or VBR MJPEG: VBR
Unicast(20 users) / Multicast Multiple streaming(Up to 10 profiles)
IPv4, IPv6, TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP, 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), MQTT
ONVIF Profile S/G/T SUNAPI(HTTP API) Wisenet open platform
Encrypted Firmware, Secure boot, Signed Firmware
Digest Authenticaton, Prevent brute-force attacks
IEEE 802.1X(EAP-TLS, EAP-LEAP, EAP-PEAP, MSCHAPv2)
HTTPS, WSS(WebSocket Secure), SRTP
IP-based access control
Encryption Credentials, Encrypt compress for live recording file export
Access / System / Event Log management
Device certificate(Hanwha Vision Root CA)
HTPM(Hanwha trusted platform module), SDcard partition encrypt
English, Korean, Chinese, French, Italian, Spanish, German, Japanese, Russian, Portuguese, Czech, Polish, Turkish, Dutch, Hungarian, Greek
Micro SD/SDHC/SDXC 2slot Max. 1TB(512GBx2)
4GB RAM, 512MB Flash
-40°C~+50°C(-40°F~+122°F) / 0~95% RH(non-condensing)
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-50°C~+60°C(-58°F~+140°F) / 0~90% RH

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Input Voltage	PoE(IEEE802.3af, class3), 12VDC
Power Consumption	PoE: Max 12.95W, typical 11W 12VDC: Max 11W, typical 9.1W
Mechanical	
Color / Material	Silver / Stainless(SUS316L) Bubble: Nylon dome
Product Dimensions / Weight	ø167.9x72.1mm(ø6.61x2.84"), 2980g(6.57 lb)
Compatible Conduit hole / Gangbox	single, double, 4" octagon, 4" square
Hanging Mount (Dome)	SBP-300HMS6
Wall Mount	SBP-300WMS/WMS1
Pole Mount	SBP-300PMS
Corner Mount	SBP-300KMS
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, EN 61000-3-2, EN 61000-3-3 VCCI 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 62471
Environment	EN IEC 63000 IEC 60529 IP66/IP67, ISO 20653 IP6K9K, IEC 62262 IK10+ NEMA 250 type 4X NSF/ANSI Standard 169
DORI (EN62676-4 standard)	
Detect (25PPM/ 8PPF)	34.9m(114.49ft)
Observe (63PPM/ 19PPF)	13.9m(45.60ft)
Recognize (125PPM/ 38PPF)	7.0m(22.96ft)
Identify (250PPM/ 76PPF)	3.5m(11.48ft)



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CAD Unit:mm [inch]

