PNF-9010R

4K H.265 NW Fisheye Camera



Key Features

- Max.12M (4000 x 3000) resolution
- H.265, H.264, MJPEG codec
- Variable view mode (Fishyeye, Single panorama
- Double panorama, Quad view etc)
- On board dewarping, Digital PTZ (16x)
- True WDR (120dB), WiseStream
- People counting, Heatmap, Defocus detection

Accessories (Optional)


SBP-300HM5


SHF-1500F


SBF-100B1


SBP-300TM1


SBP-300WM


SBP-300WM1


SBP-300NB


SBP-300KM


SBP-300CM


SBP-300LM


SBP-300PM


SBP-300B

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Video	
Imaging Device	1/1.7" 12M CMOS
Effective Pixels	2992(H) x 2992(V)
Min. Illumination	Color: 0.3Lux(F2.2, 1/30sec) BW : 0Lux(IR LED on)
Video Out	CVBS : 1.0 Vp-p / 75Ω composite, 714x480(N), 702x576(P), for Installation
Lens	
Focal Length (Zoom Ratio)	2.1mm fixed focal
Max. Aperture Ratio	F2.2
Angular Field of View	H: 180° / V: 180° / D: 180°
Min. Object Distance	0.5m(1.64ft)
Focus Control	Simple focus
Operational	
IR Viewable Length	15m(49.21ft)
Camera Title	Displayed up to 60 characters
Day & Night	Auto(ICR)
Backlight Compensation	BLC, WDR
Wide Dynamic Range	120dB
Digital Noise Reduction	SSNR
Defog	Support
Motion Detection	8ea, 8point polygonal zones
Privacy Masking	8ea, polygonal zones - Color: Grey/Green/Red/Blue/Black/White
Gain Control	Low / Middle / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor
Electronic Shutter Speed	Minimum / Maximum / Anti flicker
Video Rotation	Flip, Mirror
Analytics	Defocus detection, Motion detection, Appear/Disappear, Enter/Exit, Tampering, Virtual line, Audio detection
Business Intelligence	People counting, Heatmap
Alarm I/O	Input 1ea / Output 1ea
Alarm Triggers	Analytics, Network disconnect, Alarm input
Alarm Events	File upload via FTP and e-mail Notification via e-mail SD/SDHC/SDXC or NAS recording at event triggers Alarm output
Audio In	Selectable(mic in/line in/built-in mic) Supply voltage: 2.5VDC(4mA), Input impedance: 2K Ohm
Audio Out	Line out, Max.output level: 1Vrms
Network	
Ethernet	RJ-45(10/100BASE-T)
Video Compression	H.265/H.264: Main/Baseline/High, MJPEG

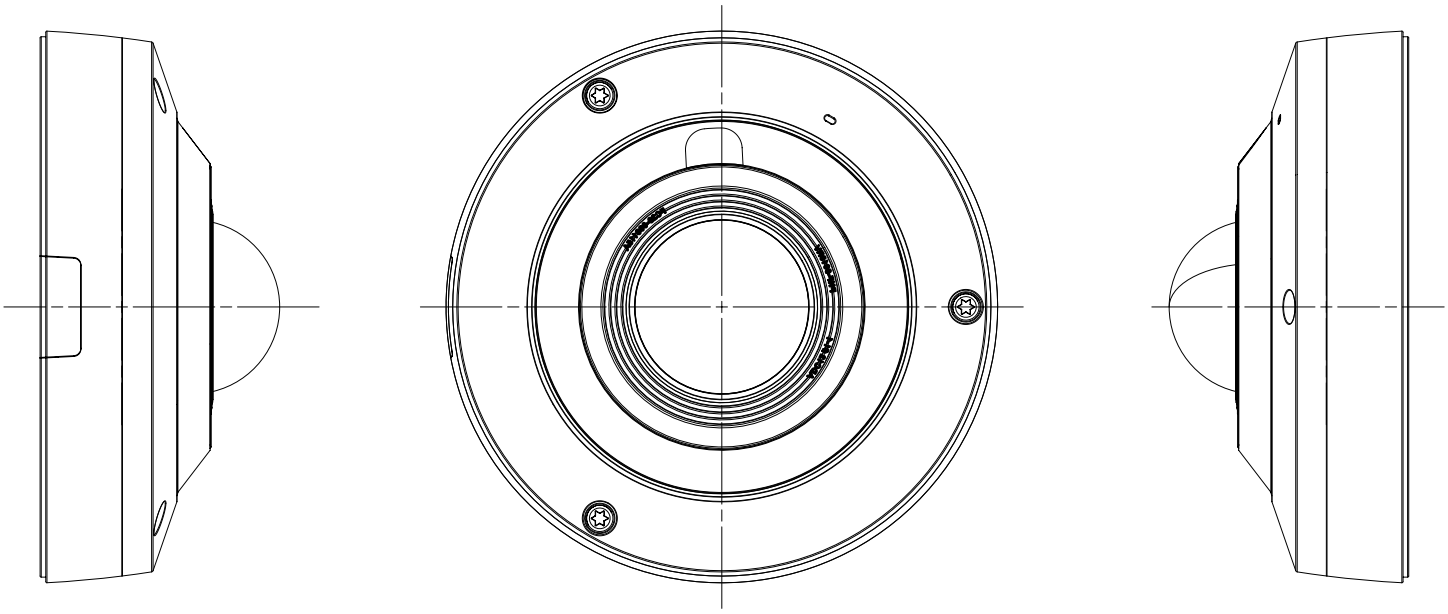
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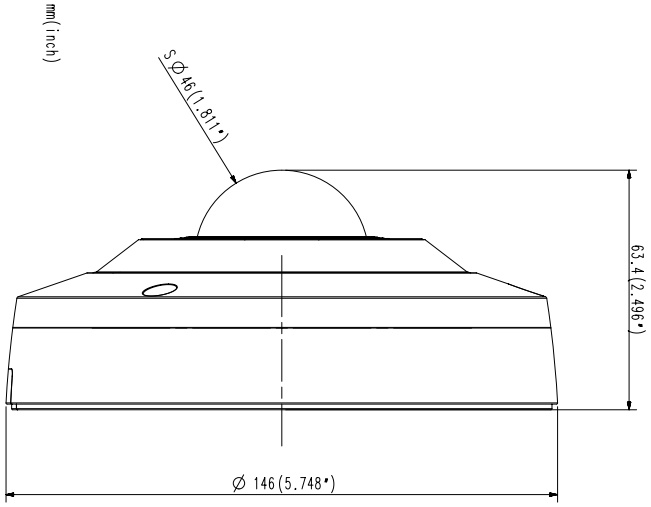
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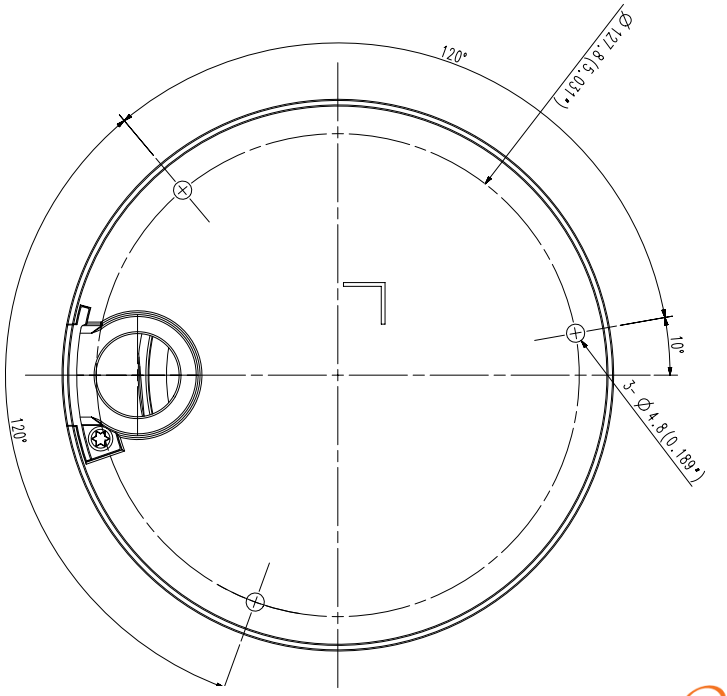
Resolution	Double panorama: 2560x1280, 1920x960, 1280x640, 704x352, 640x320 Single panorama: 2560x640, 1920x480, 1280x320, 704x176, 640x160 Quad view: 2944x2208, 2560x1920, 2048x1536, 1600x1200, 1280x960, 1024x768, 800x600, 704x576, 640x480
Max. Framerate	H.265/H.264: Max. 20fps@4000x3000, 20fps@2992x2992(60Hz/50Hz) MJPEG: Max. 15fps(60Hz/50Hz)
Smart Codec	Manual(5ea area), WiseStream I
Bitrate Control	H.264/H.265: CBR or VBR MJPEG: VBR
Streaming	Multiple streaming(Up to 3 profiles)
Audio Compression	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
Protocol	IPv4, IPv6, TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, PPPoE, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, PIM-SM, UPnP, Bonjour
Security	HTTPS(SSL) Login Authentication Digest Login Authentication IP Address Filtering User access log 802.1X Authentication(EAP-TLS, EAP-LEAP)
Edge Storage	Micro SD/SDHC/SDXC 1slot 256GB
Application Programming Interface	ONVIF Profile S/G SUNAPI(HTTP API) Wisenet open platform
Web Viewer	Supported OS: Windows 7, 8.1, 10, Mac OS X 10.9, 10.10, 10.11 Recommended Browser: Google Chrome Supported Browser : MS Explore11, MS Edge, Mozilla Firefox(Window 64bit only), Apple Safari(Mac OS X only)
Memory	1024MB RAM, 256MB Flash
Environmental	
Operating Temperature / Humidity	-10°C ~ +55°C(+14°F ~ +131°F) / Less than 90% RH
Storage Temperature / Humidity	-30°C ~ +60°C(-22°F ~ +140°F) / Less than 90% RH
Certification	IK10 EN55011:2009+A1:2010, EN50581:2012, EN50121-3-2:2015, EN61000-4-2:2009, EN61000-4-3:2006+A2:2010, EN61000-4-4:2012, EN61000-4-5:2014, EN61000-4-6:2009
Electrical	
Input Voltage	PoE(IEEE802.3af, Class3), 12VDC
Power Consumption	PoE: Max 12W 12VDC: Max 11W
Mechanical	
Color / Material	Ivory / Plastic
Product dimensions / weight	Ø146x63.4mm(Ø5.75x2.5"), 805g(1.77 lb)

- The lastest product information / specification can be found at hanwha-security.com
- Design and specifications are subject to change without notice.
- Wisenet is the proprietary brand of Hanwha Techwin , formerly known as Samsung Techwin.

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