PNM-9030V

20M H.265 Panoramic 180˚ Camera



Key Features

- Max. 20M 180˚/220˚ panoramic stitching image
- Panoramic stitching, original, crop view channel
- H.265 / H.264 : Max. 30fps at all resolutions
- MJPEG : Max. 15fps at under 2Megapixel resolutions
- H.265, H.264, MJPEG codec, WiseStream II supported
- Tampering, Loitering, Directional detection, Virtual line, Enter / Exit
- (Dis)Appear, Audio detection,Motion detection, Handover, Sound classification, Heatmap
- microSD/SDHC/SDXC 2 slots, PoE+, IP66, IK10

Accessories (Optional)


SBP-276HM


SBP-317HM


SBP-201HM


SBP-300HM6


SBP-390WM2


SBP-300WM1


SBP-300WM


SBP-300NB


SBP-300KM


SBP-300CM


SBP-300LM


SBP-300PM


SBP-300B

08-2019 ©2020 Hanwha Techwin Co., Ltd. All rights reserved.

Hanwha Techwin

Video	
Imaging Device	1/2.8" 5MP CMOSx4
Effective Pixels	3096(H)x2094(V)x4
Min. Illumination	Color: 0.15Lux(F2.0, 1/30sec) B/W: 0.01Lux (F2.0, 1/30sec)
Video Out	USB : Micro USB Type B, 1280x720 for installation
Lens	
Focal Length (Zoom Ratio)	4mm Fixed
Max. Aperture Ratio	F2.0
Angular Field of View	[180˚ mode] H: 180˚, V: 70˚ [220˚ mode] H: 220˚, V: 52˚
Min. Object Distance	3m(9.84ft)
Focus Control	Fixed
Pan / Tilt / Rotate	
Pan / Tilt / Rotate Range	0˚~355˚ / 0˚~60˚ / -
Operational	
Camera Title	Displayed up to 85 characters
Day & Night	Auto(ICR)
Backlight Compensation	BLC, HLC, WDR, SSDR
Wide Dynamic Range	120dB
Digital Noise Reduction	SSNR V
Defog	Support
Motion Detection	8ea, 8point polygonal zones
Privacy Masking	16ea, polygonal zones - Color: Grey/Green/Red/Blue/Black/White - Mosaic
Gain Control	Low / Middle / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor
LDC	Support
Electronic Shutter Speed	Minimum / Maximum / Anti flicker (2~1/12,000sec)
Video Rotation	Flip, Mirror, Hallway view(90˚/270˚)
Analytics	Defocus detection, Directional detection, Fog detection, Motion detection,, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line, Audio detection, Sound classification
Business Intelligence	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 recording at event triggers Alarm output
Network	
Ethernet	RJ-45(10/100/1000BASE-T)
Video Compression	H.265/H.264: Main/Baseline/High, MJPEG

 ©2020 Hanwha Techwin Co., Ltd. All rights reserved.

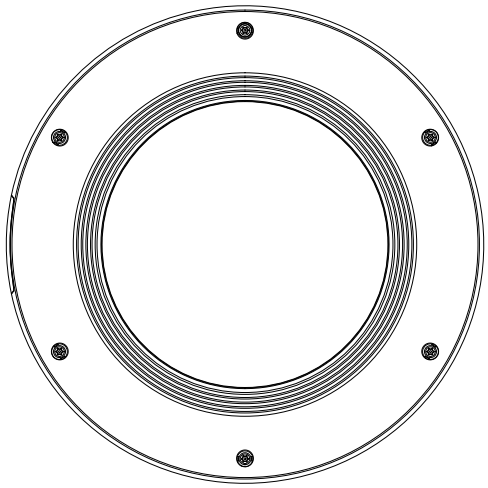
Resolution	[180˚ mode] 6096x2540, 5760x2400, 5472x2280, 5184x2160, 4800x2000, 4560x1900, 4096x1704, 3840x1600, 2688x1120, 2560x1064, 2048x852, 1920x800, 1280x532, 640x264 [220˚ mode] 7744x1936, 6096x1524, 5760x1440, 5472x1368, 5184x1296, 4800x1200, 4560x1140, 4096x1024, 3840x960, 2688x672x 2560x640, 2048x512, 1920x480, 1280x320, 640x160
Max. Framerate	H.265/H.264: Max. 30fps/25fps(60Hz/50Hz) MJPEG: Max. 30fps/25fps(60Hz/50Hz)
Smart Codec	Manual(5ea area), WiseStream Ⅱ
Bitrate Control	H.264/H.265: CBR or VBR MJPEG: VBR
Streaming	Unicast(15 users) / Multicast Multiple streaming(Up to 5 or 3 profiles)
Protocol	IPv4, IPv6, TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP,RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, 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 2slot 512GB
Application Programming Interface	ONVIF Profile S/G SUNAPI(HTTP API)
Web Viewer	Supported OS: Windows 7, 8.1, 10, Mac OS X 10.10, 10.11, 10.12 Recommended Browser: Google Chrome Supported Browser: MS Explore11, MS Edge, Mozilla Firefox(Window 64bit only), Apple Safari(Mac OS X only)
Memory	8GB RAM, 4GB Flash
Environmental	
Operating Temperature / Humidity	-40°C ~ +55°C(-40°F ~ +131°F) / Less than 90% RH *Start up should be done at above -30˚C
Storage Temperature / Humidity	-50°C ~ +60°C(-58°F ~ +140°F) / Less than 90% RH
Certification	IP66, IK10
Electrical	
Input Voltage	PoE+(IEEE802.3at, Class4), 12VDC
Power Consumption	PoE+: Max 25.5W 12VDC: Max 21.0W
Mechanical	
Color / Material	Ivory / Aluminum
Product dimensions / weight	Ø253x165mm(9.96"x6.5"), 3200g

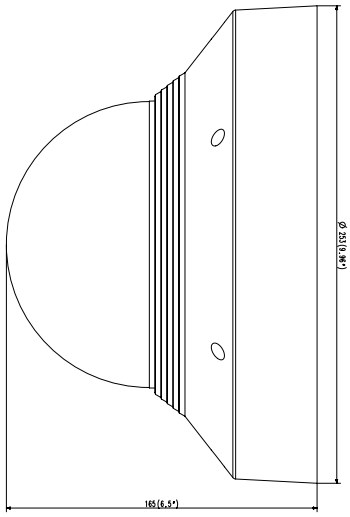
- The lastest product information / specification can be found at hanwha-security.com
- Design and specifications are subject to change without notice.
- Wisenet is the proprietary brand of Hanwha Techwin , formerly known as Samsung Techwin.

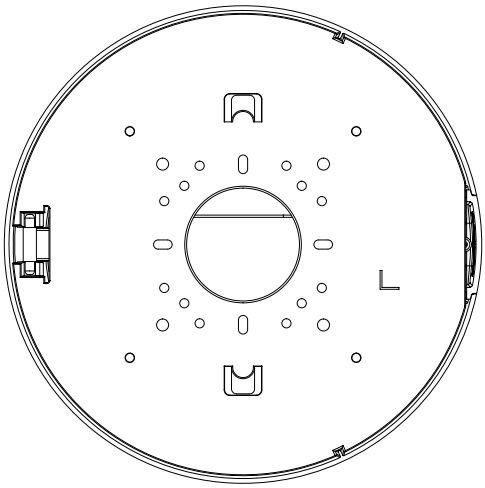
08-2019 ©2020 Hanwha Techwin Co., Ltd. All rights reserved.

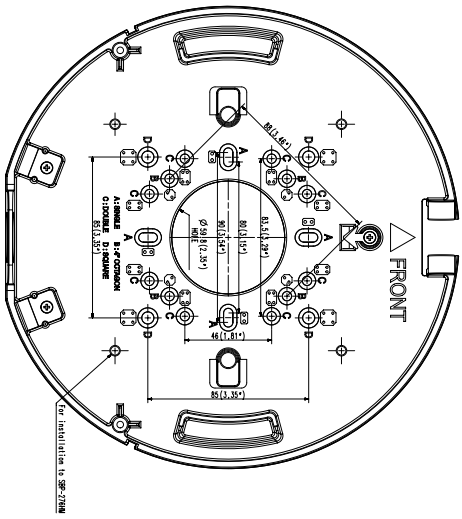
Hanwha Techwin

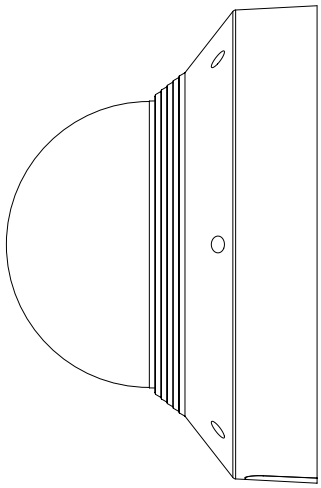
A0

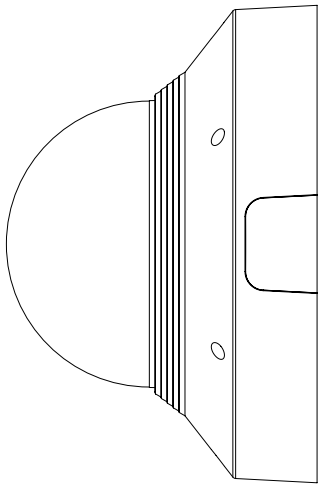












PNM-9030V APPEARANCE DRAWING

UNIT : mm (inch)

08-2019 © 2020 Hanwha Techwin Co., Ltd. All rights reserved.

Hanwha Techwin