Hanwha Vision



Network PTZ

XNP-6040H

2MP Outdoor Micro PTZ

Key Features

- 2 megapixel (1920 x 1080) resolution
- 4.3X optical zoom (2.8 ~ 12mm) (119.5? ~ 27.9?)
- 60fps@all resolutions (H.265/H.264)
- H.265, H.264, MJPEG codec supported, multiple streaming
- Day & Night (ICR), WDR (150dB), Defog
- Loitering, directional detection, fog detection, audio detection, digital auto tracking, sound classification, tampering
- Motion detection, Handover
- Dual micro SD/SDHC/SDXC memory slots (maximum 256GB each)
- Wisestream II support
- IP66, IK10

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Specifications

Video

Imaging Device	Size	1/2.8"
	Type	CMOS
Resolution		1920x1080, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240
Max. Framerate	H.265/H.264	60fps/50fps(60Hz/50Hz)
	MJPEG	30fps
Min. Illumination (Lux)	Color(1/30sec, 30IRE)	0.015
	BW(1/30sec, 30IRE)	0.0015
Video Out		CVBS: 1.0 Vp-p / 75Ω composite for installation, USB: Micro USB Type B. Preview and installation ONLY. Requires WiFi dongle.

Lens

Focal Length (mm)		2.8~12
Zoom Ratio	Optical	4.3x
	Digital	32x
Max Aperture Ratio (F number)	Wide	1.4
Angular Field of View	Horizontal	119.5°~27.9°
	Vertical	62.8°~15.7°
	Diagonal	142.1°~32.0°
Min. Object Distance		1.5m(4.92ft)
Focus Control		Auto, Manual, Oneshot AF
Lens Type		DC auto iris

Pan / Tilt / Rotate

Pan / Tilt / Rotate Range	Pan	0°~350°
	Tilt	0°~90°
Pan Speed	Preset	Max. 60°/sec
	Manual	0.1°/sec~60°/sec
Tilt Speed	Preset	Max. 60°/sec
	Manual	0.1°/sec~60°/sec

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Pan / Tilt / Rotate

Sequence	Preset(300ea), Swing, Group(6ea), Trace, Tour, Auto Run, Schedule
Preset Accuracy	±0.5°

Operational

Direction Indicator		Support
Day & Night		Auto(ICR)
Backlight Compensation		BLC, HLC, WDR, SSDR
Wide Dynamic Range (dB)		150
Digital Noise Reduction		SSNR V
Digital Image Stabilization		Support(built-in gyro sensor)
Defog		Support
Motion Detection	Quantity	8ea
	Shape	8point Polygonal zones
Privacy Masking	Quantity	32ea
	Shape	4point Quadrangle zones
	Color / Option	Gray, Green, Red, Blue, Black, White, Mosaic
Gain Control		Low, Middle, High
White Balance		ATW, AWC, Manual, Indoor, Outdoor
Electronic Shutter	Mode	Minimum, Maximum, Anti flicker
	Speed Range	2~1/12,000sec
Video Rotation		Flip, Mirror
Serial Interface		RS-485(Samsung-T, Pelco-D/P, Panasonic, Bosch, AD, GE, Vicon, Honeywell)
Alarm Interface	In/Out	Input 1ea, Output 1ea
Alarm Triggers		Analytics, Network disconnect, Alarm input
Alarm Events When Alarm Trigger Occurred		File upload(image): e-mail/FTP, Notification: e-mail, Recording: SD/SDHC/SDXC or NAS recording at event triggers,Alarm output, Handover: PTZ preset
Audio In		Selectable(mic in/line in)
Audio Out		Line out
Auto Tracking		Support

Analytics

Analytics Events	Normal	Motion detection, Tampering, Fog detection, Face detection, Audio detection, Sound classification, Virtual area(Lotering, Intrusion, Enter/Exit, Appear/Disappear), Virtual line(Crossing, Direction)

Network

Ethernet	RJ-45(10/100BASE-T)
Video Compression	H.265: Main, H.264: Main/High,MJPEG

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Network

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
Smart Codec		Manual, WiseStream II
Bitrate Control		H.265/H.264: CBR or VBR, MJPEG: VBR
Streaming	Unicast	Up to 20 users
	Multicast	Support
	Multiple Streaming	Up to 10 profiles
Protocol		IPv4, IPv6, TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, FTP, SMTP, ICMP, IGMPv2, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, LLDP, SRTP(TCP, UDP Unicast), NTCIP 1205
Application Programming Interface	ONVIF	S, G, T
	Others	SUNAPI(HTTP API), Hanwha Vision Open Platform
Direct Cloud Connection		Optional (needs gateway)

General

Memory	RAM	1GB
	Flash	256MB
Edge Storage	Micro SD/SDHC/SDXC	Max. 256GB x 2slot(Total 512GB)

Environmental & Electrical

Operating Condition	Temperature	-30°C~+55°C(-22°F~+131°F)
	Humidity	0~90% RH(non-condensing)
Storage Condition	Temperature	-30°C~+60°C(-22°F~+140°F)
	Humidity	0~90% RH(non-condensing)
Input Voltage		PoE(IEEE802.3af, Class3), 12VDC
Power Consumption	PoE	Max. 9.6W
	12VDC	Max. 8.6W

Mechanical

Color	Ivory
Material	Aluminum
Product Dimensions	ø136x106mm(5.35x4.17")
Product Weight	780g(1.72lb)

DORI (EN62676-4 standard)

Detect (25PPM/ 8PPF)	Wide	22.4m(73.47ft)
	Tele	154.6m(507.18ft)
Observe (63PPM/ 19PPF)	Wide	9.0m(29.39ft)
	Tele	61.8m(202.87ft)

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DORI (EN62676-4 standard)

Recognize (125PPM/ 38PPF)	Wide	4.5m(14.69ft)
	Tele	30.9m(101.44ft)
Identify (250PPM/ 76PPF)	Wide	2.2m(7.35ft)
	Tele	15.5m(50.72ft)

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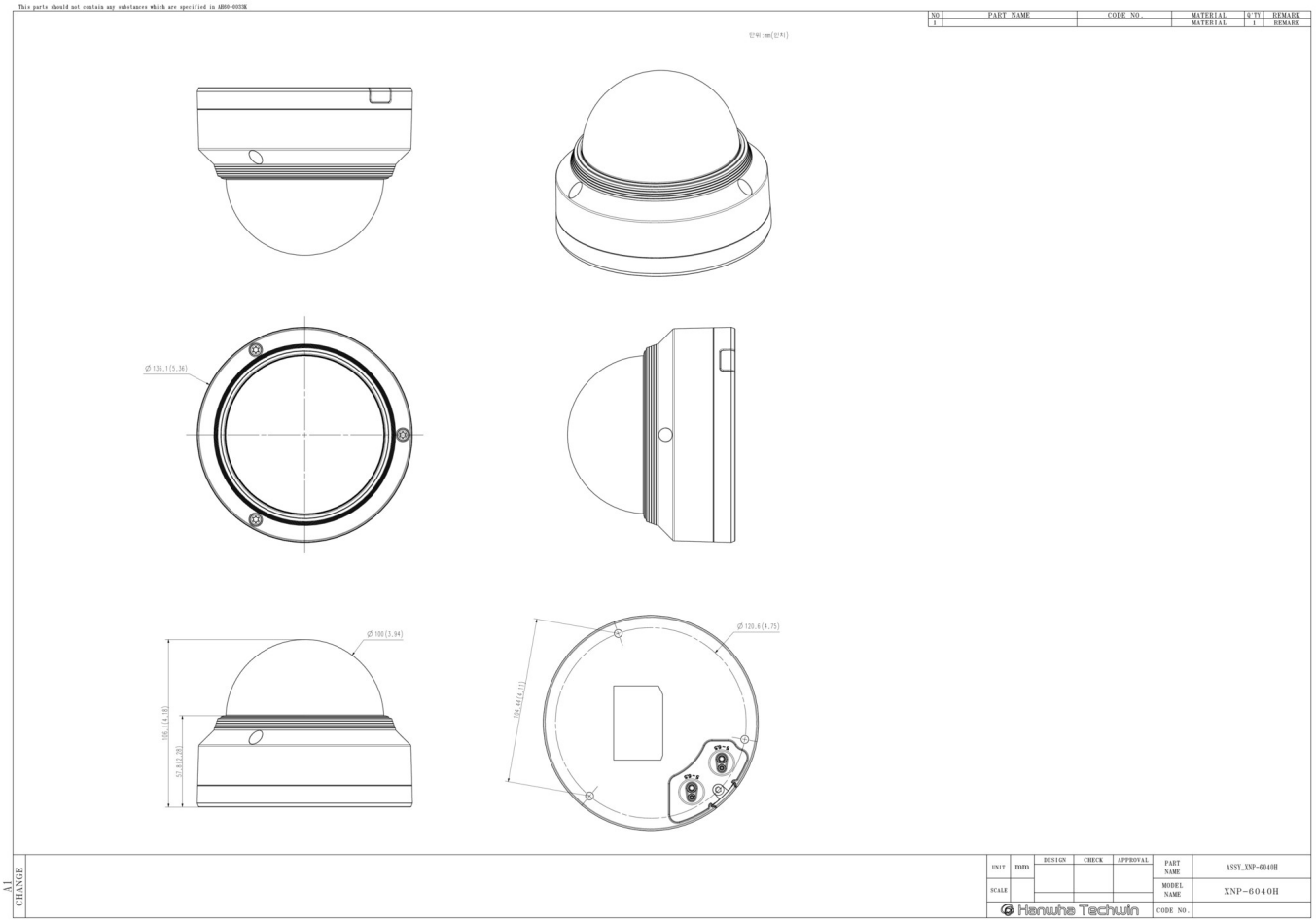
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CAD

Unit: mm [inch]



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Compatible Devices



SBP-300CM



SBV-136B



SBP-300PM



SBP-300KM



SBP-300WM1



SBP-300LM



SBP-137WM1



SBP-390WM2



SBP-300WM



SBP-300B



SHD-1408FW



SPB-PTZ71



SBP-301HM5



SBP-300NB

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