



Network

PTZ

# XNP-6550RH

2M H.265 55x IR PTZ Camera



## Key Features

- Max. 2Megapixel (1920 x 1080) resolution
- 4.75 ~ 261.4mm (Optical 55x) lens
- Day & Night (ICR), WDR (120dB)
- DIS with built-in gyro sensor
- Max. IR viewable length : 500m
- H.265, H.264, MJPEG codec support
- Multiple streaming, WiseStream II support
- Intelligent Video / Audio Analytics, Defog (Optical)
- microSD/SDHC/SDXC memory 2 slots (Up to 512 GB)
- IP66, IK10

## Compatible Devices



SBP-300CM



SBP-300PM



SBP-300KM



SBP-300WM1



SBP-300LM



SBP-390WM2



SBP-300WM



SBP-300B



SBP-303HF



SBP-300NB

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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)	0.02
	BW(1/30sec, 30IRE)	0.002
Video Out	CVBS: 1.0 Vp-p / 75Ω composite for installation	
Lens		
Focal Length (mm)	4.75~261.4	
Zoom Ratio	Optical	55x
Max Aperture Ratio (F number)	Wide	1.6
	Tele	6.5
Angular Field of View	Horizontal	58.6°~1.23°
	Vertical	34.8°~0.71°
Min. Object Distance	5m(16.40ft)	
Focus Control	Auto, Manual, Oneshot AF	
Lens Type	DC auto iris	
Pan / Tilt / Rotate		
Pan / Tilt / Rotate Range	Pan	0°~360°
	Tilt	-5°~90°
Pan Speed	Preset	Max. 400°/sec
	Manual	0.024°/sec~250°/sec
Tilt Speed	Preset	Max. 250°/sec
	Manual	0.024°/sec~250°/sec
Sequence	Preset(300ea), Swing, Group(6ea), Trace, Tour, Auto Run, Schedule	
Preset Accuracy	±0.2°	

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

## Operational

Direction Indicator		Support
Day & Night		Auto(ICR)
Backlight Compensation		BLC, HLC, WDR, SSSR
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	Rectangular 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 4ea / Output 2ea
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
Light Type		IR LED
Light Viewable Length	IR	500m(1,640.42ft)
IR Wavelength		850nm
Auto Tracking		Support

## Analytics

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

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

## Network

<b>Audio Compression</b>		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
<b>Smart Codec</b>		Manual, WiseStream II
<b>Bitrate Control</b>		H.265/H.264: CBR or VBR, MJPEG: VBR
<b>Streaming</b>	Unicast	Up to 20 users
	Multicast	Support
	Multiple Streaming	Up to 10 profiles
<b>Protocol</b>		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, UPnP, Bonjour, LLDP, SRTP(TCP, UDP Unicast), NTCIP 1205
<b>Application Programming Interface</b>	ONVIF	S, G
	Others	SUNAPI(HTTP API), Hanwha Vision Open Platform

## Security

<b>User authentication</b>	Digest authentication
<b>Network authentication</b>	IEEE 802.1X(EAP-TLS, EAP-LEAP)
<b>Secure Communication</b>	HTTPS, SRTP
<b>Access Control</b>	IP-based access control
<b>Audit</b>	Access / System / Event Log management

## General

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

## Environmental & Electrical

<b>Operating Condition</b>	Temperature	-40°C~+55°C(-40°F~+131°F)
	Humidity	0~95% RH(non-condensing)
	Others	Start up should be done at above -35°C
<b>Storage Condition</b>	Temperature	-50°C~+60°C(-58°F~+140°F)
	Humidity	0~90% RH(non-condensing)
<b>Input Voltage</b>		24VAC, HPoE(IEEE802.3bt type4, Class7)
<b>Power Consumption</b>	PoE	Max. 60W, typical : 30W
	24VAC	Max. 92W, typical : 30W

## Mechanical

<b>Color</b>	Ivory, Black
<b>Material</b>	Aluminum, Plastic
<b>Product Dimensions</b>	ø236.9x407.7mm(9.33x16.05")

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**Mechanical**

Product Weight	7.1Kg(15.65lb)
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**Certifications & Standards**

Environment	IEC 60529 IP66, IEC 62262 IK10
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**DORI (EN62676-4 standard)**

Detect (25PPM/ 8PPF)	Wide	68.4m(224.5ft)
	Tele	3577.4m(11736.7ft)
Observe (63PPM/ 19PPF)	Wide	27.4m(89.8ft)
	Tele	1430.9m(4694.7ft)
Recognize (125PPM/ 38PPF)	Wide	13.7m(44.9ft)
	Tele	715.5m(2347.3ft)
Identify (250PPM/ 76PPF)	Wide	6.8m(22.5ft)
	Tele	357.7m(1173.7ft)

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CAD

Unit: mm [inch]

