Hanwha Vision

Network   Dome

XND-6081VZ

2M H.265 Dome Camera

Key Features

- Maximum 2MP resolution
- 0.015Lux@F1.4 (Color), 0.0015Lux@F1.4 (B/W)
- Day & Night (ICR), WDR (150dB / 120dB)
- Modular structure and motorized PTRZ
- Hallway View, WiseStreamII Support
- Video & audio analytics, Audio playback
- DIS and shock detection with built-in gyro sensor
- IP52/IK10, PoE, 12VDC

Compatible Devices

SBP-300LMW	SBP-300WMW1	SBP-300KMW	SBP-300BW	SBP-300PMW	SBP-300WMW	SPB-IND85W

SBC-160B	SBP-300NBW	SBP-300CMW	SBP-167HMW

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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		USB: Micro USB Type B

Lens

Focal Length (mm)		2.8~12
Zoom Ratio	Optical	4.3x
Max Aperture Ratio (F number)	Wide	1.4
	Tele	3.6
Angular Field of View	Horizontal	119.5°~27.9°
	Vertical	62.8°~15.7°
	Diagonal	142.1°~32.0°
Min. Object Distance		0.5m(1.64ft)
Focus Control		Simple focus, Manual
Lens Type		DC auto iris(IR corrected), P iris(IR corrected)

Pan / Tilt / Rotate

Pan / Tilt / Rotate Range	Pan	±175°
	Tilt	0°~85°
	Rotate	±175°
	Others	Remote adjustment(Max. 200cycles)

Operational

Day & Night		Auto(ICR)

Operational

Backlight Compensation		BLC, HLC, WDR, SSDR
Wide Dynamic Range (dB)		150
Digital Noise Reduction		SSNR V
Digital Image Stabilization		Support
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		Support
White Balance		ATW, AWC, Manual, Indoor, Outdoor
LDC		Support
Electronic Shutter	Mode	Minimum, Maximum, Anti flicker
	Speed Range	2~1/12,000sec
Video Rotation		Flip, Mirror, Hallway view(90°/270°)
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,send message by HTTP/HTTPS/TCP,Audio clip playback
Audio In		Selectable(mic in/line in), Built-in mic
Audio Out		Line out

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) , Digital auto tracking
Business Intelligence	Normal	People counting, Queue management, Heatmap

Network

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

Network

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, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, LLDP, SRTP(TCP, UDP Unicast), PIM-SM
Application Programming Interface	ONVIF	S, G, T
	Others	SUNAPI(HTTP API), Hanwha Vision Open Platform
Direct Cloud Connection		Optional (needs gateway)

Security

OS / Firmware Protect	Encrypted firmware, Secure boot, Signed firmware
User authentication	Digest authentication
Network authentication	IEEE 802.1X(EAP-TLS, EAP-LEAP)
Secure Communication	HTTPS, WSS(WebSocket Secure), SRTP
Access Control	IP-based access control
Data Protect	Encryption credentials, Encrypt compress for live recording file export
Audit	Access / System / Event Log management
Secure Storage	SDcard partition encrypt(AES-256)

General

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

Environmental & Electrical

Operating Condition	Temperature	-25°C~+60°C(-13°F~+140°F)
	Humidity	0~90% RH(non-condensing)
Storage Condition	Temperature	-50°C~+60°C(-58°F~+140°F)
	Humidity	0~90% RH(non-condensing)
Input Voltage		PoE(IEEE802.3af, Class3), 12VDC
Power Consumption	PoE	Max 10W, typical 4.80W
	12VDC	Max 8.5W, typical 3.71W

Mechanical

Color	White
Material	Aluminum
RAL Code	RAL9003
Product Dimensions	ø160x125mm(6.3x4.9")

Mechanical

Product Weight	1,450g(3.20lb)

Certifications & Standards

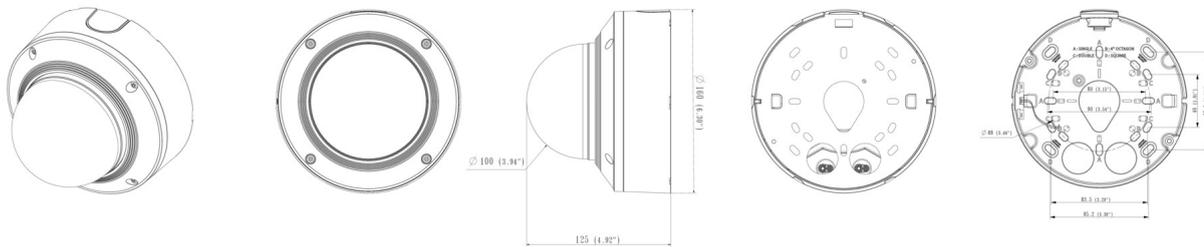|	
Environment	IEC 60529 IP52, IEC 62262 IK10

XND-6081VZ

2M H.265 Dome Camera

CAD

Unit: mm [inch]

APPERANCE-XND-6081VZ/8081VZ/6081V/6081RV/8081RV

Unit : mm (inch)
SCALE 1:1
ver.190603

X-PLUS INDOOR VANDAL

X-PLUS INDOOR VANDAL with SKIN-COVER