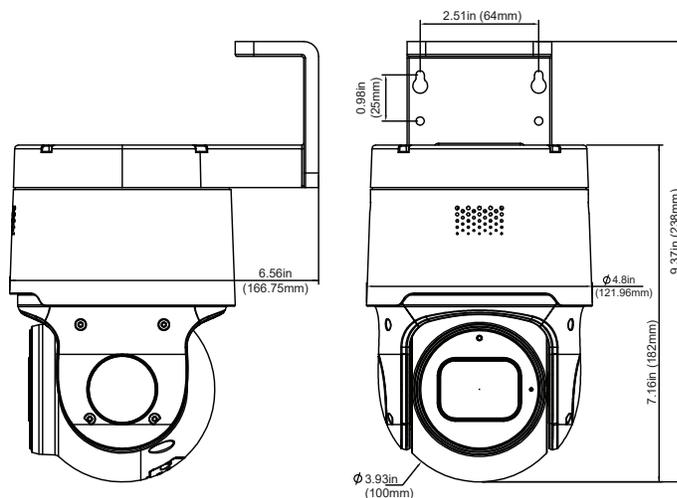# AVC-NSZ81X04SPL AI

NDAA COMPLIANT | CE | FC

8MP H.265 NETWORK PTZ CAMERA
Active Deterrence

OVERVIEW

- 8MP (3840x2160)H.265+/H.264+/MJPEG
- Max. resolution: 3840x2160
- Active Deterrence Camera
- 2.8mm to 12mm Zoom Lens
- 3D DNR, WDR, HLC, BLC, ROI encoding
- Intelligent Analytics
- Strobe (Blue & Red) Light
- Built-in MIC / Speaker
- Built-in micro SD card slot with video and still image capture function (up to 512GB)
- IP66 ingress protection
- DC12V/PoE power supply
- Support remote monitoring by AVYCON ONE (Mobile APP) and AVYCON CMSONE (CMS)

DIMENSIONS

Unit : inch(mm)

2.51in (64mm)
0.98in (25mm)
9.37in (238mm)
6.56in (166.75mm)
Ø 4.8in (121.96mm)
7.16in (182mm)
Ø 3.93in (100mm)

OPTIONAL ACCESSORIES

AVM-CRM-A1
CORNER MOUNT BRACKET

AVM-P-POM-A2
POLE MOUNT BRACKET

SPECIFICATIONS

CAMERA	
Image Sensor	1/2.7" Progressive Scan CMOS
Max. Resolution	3840x2160
Min. Illumination	Color: 0.009 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR
Shutter Speed	1/5 s to 1/20000 s
Slow Shutter	Yes
Day & Night	IR cut filter
Zoom	4x optical
LENS	
Focal Length	2.8 mm to 12 mm
FOV	Horizontal field of view: 113° to 31.4° (wide-tele),
	Vertical field of view: 58.4° to 17.6° (wide-tele),
	Diagonal field of view:138.6° to 36° (wide-tele)
Aperture	Max. F1.6
Focus	Auto,manual
ILLUMINATOR	
Supplement Light Range	IR Distance: up to 98ft (30M)
Supplement Light Type	IR
PTZ	
Movement Range(Pan)	350°
Movement Range(Tilt)	0° to 90°
Pan Speed	Pan speed: configurable from 0.6° to 54°/s
Tilt Speed	Tilt speed: configurable from 0.6° to 52°/s
Presets	255 (Preset calls have a limit of 20,000 times)
3D Positioning	Yes (without ZOOM in)
VIDEO	
Main Stream	50/60 Hz: 25 fps (3840x2160, 3072x1728, 2592x1944, 2592x1520, 2304x1296, 1920x1080, 1280x960, 1280x720);
Sub-Stream	50/60 Hz: 25 fps (1280x720, 640x480, 320x240);
Mobile Stream	50/60 Hz: 25 fps (640x480, 320x240);
Video Compression	Main stream: H.265+/H.265/H.264+/H.264
	Sub-stream: H.265+/H.265/H.264+/H.264/MJPEG
	Mobile Stream: H.265+/H.265/H.264+/H.264
Video Bit Rate	8 kbps to 16384kbps
H.264 Type	Baseline Profile/Main Profile/High Profile
H.265 Type	Main Profile
Region Of Interest (ROI)	N/A
AUDIO	
Audio Compression	G.711a/G.711u
NETWORK	
Protocols	IPv4/IPv6, HTTP, HTTPS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, TCP/IP, UDP, DHCP, PPPoE, RTMP (v8.2.3 firmware and above)
API	ONVIF Profile G/M/S/T, REST API
Simultaneous	Live View Up to 15 channels
User/Host	5 User
Security	Password protection, Complicated password, HTTPS encryption, IP address filter, Control timeout settings
Client	VMS
Web Browser	IE11, Chrome 57+, Firefox 52+, Safari 11+
IMAGE	
Day/Night Switch	Day, Night, Auto, Schedule
Image Enhancement	BLC, HLC, 3D DNR
Wide Dynamic Range (WDR)	DWDR
Defog	N/A
Image Stabilization	N/A
Image Settings	Saturation, Brightness, Contrast, Sharpness, Hue and White balance adjustable by client software or web browser
Privacy	4 privacy masks
INTERFACE	
Ethernet Interface	1 RJ45 10M/100M self-adaptive Ethernet port
On-Board Storage	Micro SD/SDHC/SDXC Slot (up to 512GB) with video and still image capture function
Alarm	Built-in red & blue flashing lights
Audio	1 built-in MIC
Reset	Yes
Built-In Speaker	1 built-in speaker
EVENT	
Basic Event	Motion Detection
Analytics	Face Detection (FD), Pedestrian & Vehicle Detection (PD&VD), Intrusion Detection (ID), Line Crossing Detection (TD), Tripwire Counting (TC),
	Stationary Object Detection (OBJ), Heat Map (HM), Crowd Density Detection (CD), Queue Length Detection (QD),
	License Plate Detection (LPR), Rare Sound Detection (RSD), Region Entrance Detection, Region Exiting Detection, Loitering Detection
Smart Tracking	Auto-tracking
Alarm Linkage	Upload to FTP, send email, trigger recording, audible warning, lights flashing
GENERAL	
Power	DC 12V/POE, Max. 13W (IR LED on)
Operating Condition	-22 °F to 149 °F(-30 °C to 60 °C). Humidity 90% or less (non-condensing)
Material	Plastic
Dimension Ø	Ø6.56 x 9.37in (Ø166.75 X 238mm) / 1.77lbs (805g)
Protection	IP66 / NDAA