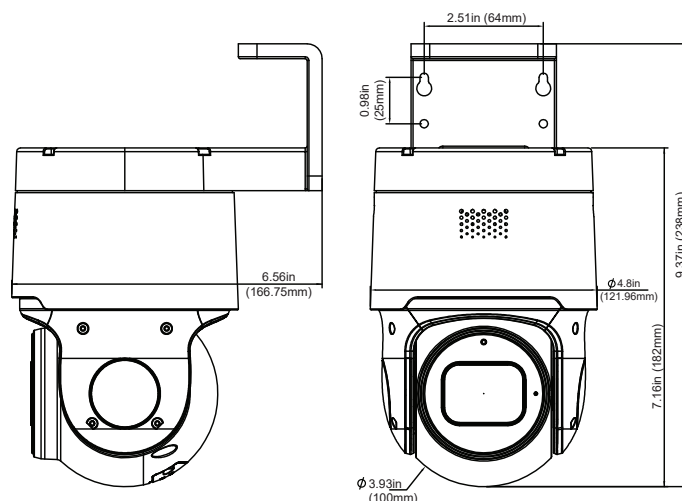# AVC-NSZ81X04SPL AI

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, up to 256GB
- 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)
6.56in (166.75mm)
9.37in (238mm)
Ø 4.8in (121.96mm)
7.16in (182mm)
Ø 3.93in (100mm)

OPTIONAL ACCESSORIES

AVM-POM-A1
POLE MOUNT BRACKET

AVM-CRM-A1
CORNER 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 (3840x2160,3072x1728,2592x1944,2592x1520,2304,1296,1920x1080,1280x960,1280x720);
Sub-Stream	50/60 Hz: 25 fps (1280x720,640 × 480, 320x240);
Third 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 Third 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,
API	Onvif (Profile S, Profile G, Profile T),Http 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	Built-in memory card slot, support microSD/SDHC/SDXC card, up to 256 GB
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
Deep Learning Function	Face Recognition, Human & Vehicle Detection, Perimeter Intrusion Detection, Line Crossing Detection, Stationary Object Detection, Crossing Counting, Heat Map, Crowd Density Detection, Queue Length Detection, License Plate Detection
Smart Tracking	N/A
Alarm Linkage	Upload to FTP, send email, trigger recording, audible warning, lights flashing
GENERAL	
Power	DC 12V/POE, max. 13 W
Operating Condition	-22 °F to 149 °F(-30 °C to 60 °C). Humidity 90% or less (non-condensing)
Material	Plastic
Dimension	Ø 6.56" × 9.37" (Ø 166.75 mm × 238 mm), Approx. 2 lb(0.92 kg)
Protection	IP66