AVYCON®

AVC-NPTZ51X42L
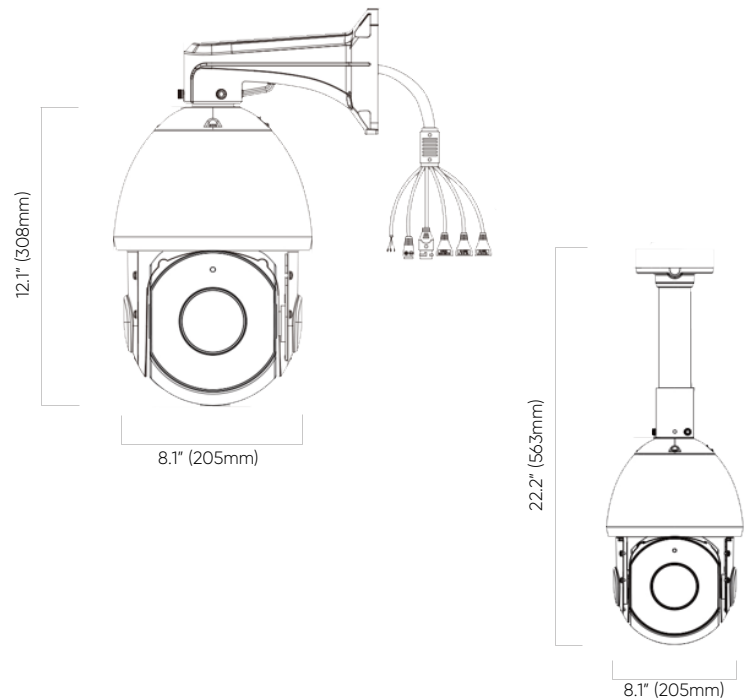
NDAA
COMPLIANT

5MP FULL-SIZE PTZ DOME NETWORK CAMERA

Infinite✦Star™

OVERVIEW

- 5MP (2592 × 1944) @ 30fps / 1080P @ 60fps
- Max. resolution: 2592 x 1944
- Supports Smart H.265/H.264 encoding
- True Day & Night ICR with InfiniteStar™ Technology
- Up to 0.005Lux Sensitivity with InfiniteStar™ Technology
- Up to 984ft. IR Illumination
- IR Anti-reflection Design
- 42X Optical Zoom
- 3D DNR, True WDR, HLC, BLC and ROI encoding
- 360° Endless Pan
- Supports PTZ Auto Tracking
- 1 channel Audio input; 1 channel Audio output
- 2 channel Alarm input; 2 channel Alarm output
- Built-in micro SD card slot with video and still image capture function (up to 256GB)
- AC 24V (3A) / PoE+ (802.3at, 25.5W Max)
- IP66 Ingress Protection
- Supports remote access with Windows, macOS, iOS and Android
- Operating Temperature: -40°F - 140°F, less than 90% RH

DIMENSIONS

Unit : inch(mm)

12.1" (308mm)

8.1" (205mm)

22.2" (563mm)

8.1" (205mm)

OPTIONAL ACCESSORIES

AVM-P-DDMTS-A1   AVM-P-PMT-A1   AVM-P-CMT-A1   AVM-P-PWMTL-A1   AVM-P-PCMTL-A1

(Included)

AVYCON   www.avycon.com

SPECIFICATIONS

CAMERA	
Image Sensor	1/2.8" Progressive Scan CMOS
Min. Illumination	Color: 0.005Lux@F1.2 B/W: 0Lux with IR on
WDR	120 dB True WDR
Shutter Speed	1/100,000s ~ 1s
IR Distance	Up to 984ft (300m)
IR Angle	Auto/Manual
Day & Night	True- ICR Filter Auto Switch
S/N	>55dB
Digital Zoom	16x
Focal Length	7 ~ 300mm @ F1.8 ~ F6.5, 42X Optical Zoom
Zoom Speed	4 sec (Full Zoom)
Field of View	Horizontal: 43° ~ 2° / Diagonal: 53° ~ 2° / Vertical: 33° ~ 1°
Min. Working Space	1200 ~ 1500mm
PTZ	
Pan Range	360° Endless
Pan Speed	Manual Pan Speed: 0.5° ~ 180°/s, Preset Pan Speed: 240°/s
Tilt Range	0° ~ 90° (Auto Flip)
Tilt Speed	Manual Tilt Speed: 0.5° ~ 120°/s, Preset Tilt Speed 200°/s
Proportional Zoom	Supported
Number of Presets	255
Preset Freezing	Supported
Patrol	8 Patrols, up to 48 presets each patrol
Pattern	4 Patterns
Power Off Memory	Supported
PTZ Postition Display	On / Off
3D Positioning	Supported
VIDEO STREAM	
Max. Image Resolution	2592 x 1944 - 30fps @ (2592 x 1944)
Primary Stream	(2592 x 1944): 30fps (1920 x 1080, 1280 x 960, 1280 x 720, 704 x 576): 60fps
Secondary Stream	(704 x 576, 640 x 480, 640 x 360, 352 x 288, 320x240, 320 x 192, 320 x 176): 30fps
Teritary Stream	(1920 x 1080, 1280 x 720, 704 x 576, 640 x 480, 640 x 360, 320 x 240, 320 x 192, 320 x 176): 30fps
Video Compression	H.265+ / H.265 (HEVC) / H.264+ / H.264 / MJPEG
Video Bit Rate	16Kbps ~ 16Mbps (CBR / VBR Adjustable)
Image Settings	Brightness / Contrast / Saturation / Sharpness
NETWORK	
Web Access	Supports IE / Firefox / Chrome / Safari Browsers
Ethernet	1 x RJ45 10M / 100M Ethernet Port
Network Storage	NAS (Supports NFS, SMB / CIFS)
Protocol	IPv4 / IPv6, TCP, UDP, RTP, RTSP, RTCP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, UPnP, SIP, SNMP, PPPoE, VLAN, 802.1x, QoS, IGMP, ICMP, SSL
AUDIO	
Audio Compression	G.711 / AAC
Audio I/O	1/1
SYSTEM	
Alarm I/O	2/2
Local Storage	Supports microSD / SDHC / SDXC Card Local Storage, up to 256 GB
Advanced Function	Auto Tracking, Privacy Masking, BLC, HLC, 2D DNR, 3D DNR, ROI, Defog, AWB, EIS, IP Address Filtering, AGC, Anti-flicker, Corridor Mode, Deblur
SIP/VoIP Support	Yes, Voice&Video-over-IP
Event Trigger	Motion Detection, Network Disconnection, External Input, Audio Alarm
Event Action	FTP Upload, SMTP Upload, SD Card Record, External Output, SIP Phone, PTZ Motion, HTTP Notification
Video Analytics	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Human Detection, People Counting, Object Left, Object Removed
GENERAL	
System Compatibility	ONVIF Profile S & G & T
Working Temperature	-40°~ 60°C (-40° ~ 140°F)
Working Humidity	0~90% (Non-Condensing)
Power Supply	AC 24V / 3A±10% / PoE+ (802.3at)
Power Consumption	13.5W MAX/ 25.5W MAX(With IR on)
Ingress Protection	IP66 Rated
Vandal Resistance	N/A
Surge Protection	6KV
Weight	8.8lbs
Dimensions	8.1" x 12.1" (205mm x 308mm)