

**AVC-NPTZ51X12L**  
**5MP MINI PTZ DOME NETWORK CAMERA**



Infinite+Star



**5MP MINI PTZ DOME NETWORK CAMERA**

5MP MINI PTZ DOME NETWORK CAMERA WITH INFINITE-STAR™ FEATURES

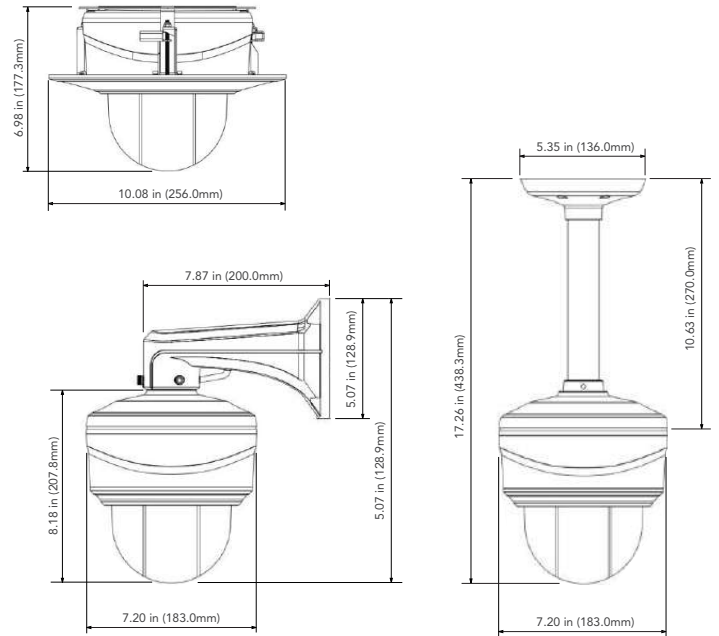
The AVYCON AVC-NPTZ51X12L camera is a 5MP Mini 12X PTZ Dome Network Camera using Infinite-Star™ technology, with an ultra-low 0.002 lux sensitivity, providing crisp color images of the environment even at night. This camera supports True Day and Night mode, PoE, and up to 400ft. of Smart IR Illumination. The camera also features Alarm Input/ Output connections, Audio Input/ Output, a microSD slot (256GB max capacity), and is ONVIF compliant. Optional accessories for this camera include Junction Box, Wall, Pendant and Recessed mounts.

**FUNCTIONS**

- 5MP / 1080P ( 2560 × 1920 ) @ 60fps
- Max. resolution: 2560 x 1920
- Supports Smart H.265/H.264 encoding
- True Day & Night ICR with Infinite-Star™ Technology
- Up to 400ft. IR Illumination
- 12X Optical Zoom
- Up to 0.002Lux Sensitivity with Infinite-star™ Technology
- IR Anti-reflection Design
- 3D DNR, True WDR, HLC, BLC and ROI encoding
- 360° Endless Pan
- 1 channel Audio input; 1 channel Audio output
- 1 channel Alarm input; 1 channel Alarm output
- Built-in micro SD card slot (max. 256 GB)
- DC12V / PoE (802.3at, 12W max.)
- Optional Recessed Installation Design
- IP66 & IK10 Ingress Protection
- Supports PTZ Auto Tracking
- Supports remote access with Windows, macOS, iOS and Android
- Operating Temperature: -40°F - 140°F, less than 90% RH

**DIMENSIONS**

Unit : inch (mm)



**OPTIONAL ACCESSORIES**



AVM-P-DDMTS-A1



AVM-P-PWMTS-A1



AVM-P-PRMTS-A1



AVM-P-PCMTS-A1

# AVC-NPTZ51X12L

## 5MP MINI PTZ DOME NETWORK CAMERA

CAMERA	
Image Sensor	1/2.8" Progressive Scan CMOS
Min. Illumination	Color: 0.002Lux@F1.2, B/W: 0Lux with IR on
WDR	True 140 dB Super WDR
Shutter Speed	1/100,000s ~ 1s
IR Distance	Up to 400ft (120m)
IR Angle	Auto/Manual
Day & Night	True Day/Night - ICR Filter Auto Switch
S/N	>55dB
Digital Zoom	16x
Focal Length	5.3 ~ 64mm @ F1.6 ~ F2.8, 12x Optical Zoom
Zoom Speed	3.1 sec (Full Zoom)
Field of View	Horizontal: H61° ~ H5° / Diagonal: D69° ~ D5° / Vertical: V36° ~ V2°
Min. Working Space	1000 ~ 1500mm
PTZ	
Pan Range	360° Endless
Pan Speed	Manual Pan Speed: 0.5° ~ 180°/s, Preset Pan Speed: 240°/s
Tilt Range	-5° ~ 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 Position Display	On / Off
3D Positioning	Supported
VIDEO STREAM	
Max. Image Resolution	2560 x 1920 - 60fps @ (2560 x 1920)
Primary Stream	(2560 x 1920): 60fps (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
Tertiary 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	
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	1/1
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° ~ 140°F (-40° ~ 60°C)
Working Humidity	0 ~ 90% (Non-Condensing)
Power Supply	DC 12V / 2A±10% / PoE (802.3at)
Power Consumption	9W MAX/ 12W MAX(With IR on)
Ingress Protection	IP66 Rated
Vandal Resistance	IK10 Rated
Surge Protection	4 KV
Weight	4.4lbs
Dimensions	7.20" x 6.88" (183mm x 174.8mm)



# AVYCON<sup>®</sup>

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