



## AVC-PNN81X25LW

NDA  
COMPLIANT | CE | FC

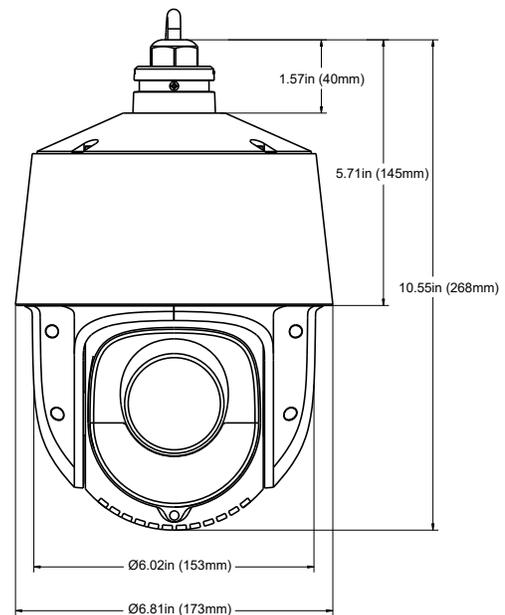
8MP NETWORK IR SPEED DOME CAMERA

### OVERVIEW

- High Efficiency Video Coding (H.265)
- 1/2.8" 8MP Progressive Scan CMOS
- Up to 3840 x 2160 @30fps Resolution
- Min. illumination: Color: 0.01 Lux@ (F1 .65, AGC ON)/ B/W: 0.002 Lux@ (F1 .65, AGC ON)/ 0 Lux with IR
- 25x Optical Zoom
- WDR, HLC, BLC, 3D DNR, Defog
- Up to 490ft smart IR distance
- PoE+ and DC12V
- IP66
- Support H.265+/H.265 Video Compression
- Superior Image Quality
- Working Environment and Interoperability
- NDA Compliant
- Includes wall mount (AVM-PT-WMT-N20)
- Built-in micro SD card slot with video and still image capture function (up to 256GB)

### DIMENSIONS

Unit : inch(mm)



### OPTIONAL ACCESSORIES



AVM-PT-CMT-N4M  
CEILING  
MOUNT BRACKET



AVM-PT-RMT-N20  
IN-CEILING  
MOUNT BRACKET



AVM-P-PMT  
POLE  
MOUNT BRACKET



AVM-P-CMT  
CORNER  
MOUNT BRACKET

## SPECIFICATIONS

CAMERA	
Image Sensor	1 / 2.8" Progressive Scan CMOS
Min. Illumination	Color: 0.01 lux @F1.65 AGC ON; B/1/1/: 0.002lux @F1.65 AGC ON; 0 lux with IR
White Balance	Auto/Manual/ATW (Auto-tracking WB)/Indoor/Outdoor
S/N Ratio	More than 52dB
Gain	Auto/Manual
Shutter Time	50Hz: 1/25s ~ 1/25 000s; 60Hz: 1/30s - 1/30 000s
Day & Night	Auto/Manual
Privacy Mask	4 Programmable Privacy Masks, up to 8 per request
Focus Mode	Auto/Manual
3D DNR	Auto/Manual
LENS	
Focal Length	0.1 "-4.7" (4.8-120mm) 25x Optical Zoom
Zoom Speed	Approx. 3.6s (Optical Lens; Wide-TELE)
Field of View	Horizontal field of view: 57.6° to 2.4° (Wide-TELE) Vertical field of view: 33.4° to 1.4° (Wide-TELE) Diagonal field of view: 64.5° to 2.9° (Wide-TELE)
Working Distance	Wide: 1.0m~INF, Tele: 1.5m~INF
Aperture Range	F1.65 (Wide) to F3.8 (TELE)
IR	
IR Distance	492ft (150m)
Smart IR	Support
PTZ	
Pan Range	360° Endless
Pan Speed	Configurable, from 0.1 °/s to 200°/s; Preset Speed: 240°/s
Tilt Range	From -10° to 90° (Auto-Flip)
Tilt Speed	Configurable, from 0.1 °/s to 200°/s; Preset speed: 240°/s
Proportional Zoom	Support
Preset	360
Cruise	8 cruises, up to 16 presets for each cruises
Trace	4 traces, record time over 3 minutes for each trace
Power-off Memory	Support
Action Mode	Preset/Cruise/Trace/Auto Scan/Random Scan
3D Positioning	Support
PTZ Position Display	Support
Scheduled Task	Scheduled Task
COMPRESSION STANDARD	
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG
H.264 Type	H.264/AVC codec BP/MP/HP, Level 5.1
H.265 Type	H.265/HEVC codec MP, level 5.0
Video Bit Rate	64Kbps to 16Mbps
Audio Compression	G.711 AIU
SMART FEATURES	
Basic Event	Motion Detection, Video Tampering Detection, Exception
Smart Event	Object Removal Detection, Intrusion Detection, Line Crossing Detection, People Intrusion and People Counting
Smart Record	Vehicle Detection and tracking, People and Vehicle Detection
IMAGE	
Max. Resolution	3840 X 2160
Main Stream	50Hz:25fps: 3840x2160,2560x1440, 1920x1080, 1280x960, 1280x720; 60Hz:30fps:3840x2160,2560x1440, 1920x 1080, 1280x960, 1280x720
Sub Stream	50Hz:25fps: (704 x 576, 640 x 480, 352 x 288); 60Hz:30fps (704 x 480, 640 x 480, 352 x 240)
Third Stream	50Hz:25fps (1920 x 1080, 1280 x 960, 1280 x 720, 704 x 576, 640 x 480, 352 x 288) 60Hz:30fps (1920 x 1080, 1280 x 960, 1280 x 720, 704 x 480, 640 x 480, 352 x 240)
Image Enhancement	WDR/HLC/BLC/3D DNR/Defog/Regional Exposure/Regional Focus
NETWORK	
Network Storage	Micro SD/SDHC/SDXC Slot (up to 256GB) with video and still image capture function
Protocols	HTTP, HTTPS, IPv4/IPv6, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, IGMP, ICMP, DHCP, PPPoE, RTMP (v5.x firmware and above)
API	ONVIF, Support AVYCON API and Third-Party Management Platform
Simultaneous Live View	Up to 6 channels
User/Host	Up to 16 users, 3 levels: Administrator, Advanced User and Normal User
Security Measures	User authentication (ID and PW), Host authentication (MAC address); HTTPS encryption, IEEE802.1x port-based network access control; IP address filtering
CMS Client	AVYCON CVMS 2.0 Lite
Web Browser	IE8-11, Chrome 31.0 to 44, Firefox 30.0 to 51
INTERFACE	
Network Interface	1 RJ45 10M/100M Adaptive Ethernet, Support PoE+

## SPECIFICATIONS

GENERAL	
Power	DC12V±25%,3000mA ,PoE+ (802.3.at), max 23W include IR ON+PTZ working
Working Environment	-40°C-60°C(-40°F-140°F) <= 90% RH
Protection Level	IP 66 Standard, 6000V Lightning Protection, Surge Protection and Voltage Transient Protection
Material	Aluminum Alloy+ Plastic/GF15%
Dimensions	Ø6.8" x 10.55"(Ø173mm x 268mm)
Weight	Approx. 2.1 KG (4.63lb)
DORI	
Definition	Detect: 25 px/m, Observe: 63 px/m, Recognize:125 px/m, Identify: 250 px/m
Distance(Tele)	Detect: 10,859ft (3310m), Observe: 4307.7ft (1313m), Recognize: 2171.9ft (662m), Identify: 1085.9ft (331m)