Product Guide

A New Standard for Professional Surveillance

AVYCON®

190+ Quality Products
Security Cameras
Video Recorders
Networking and more

AVYCON®
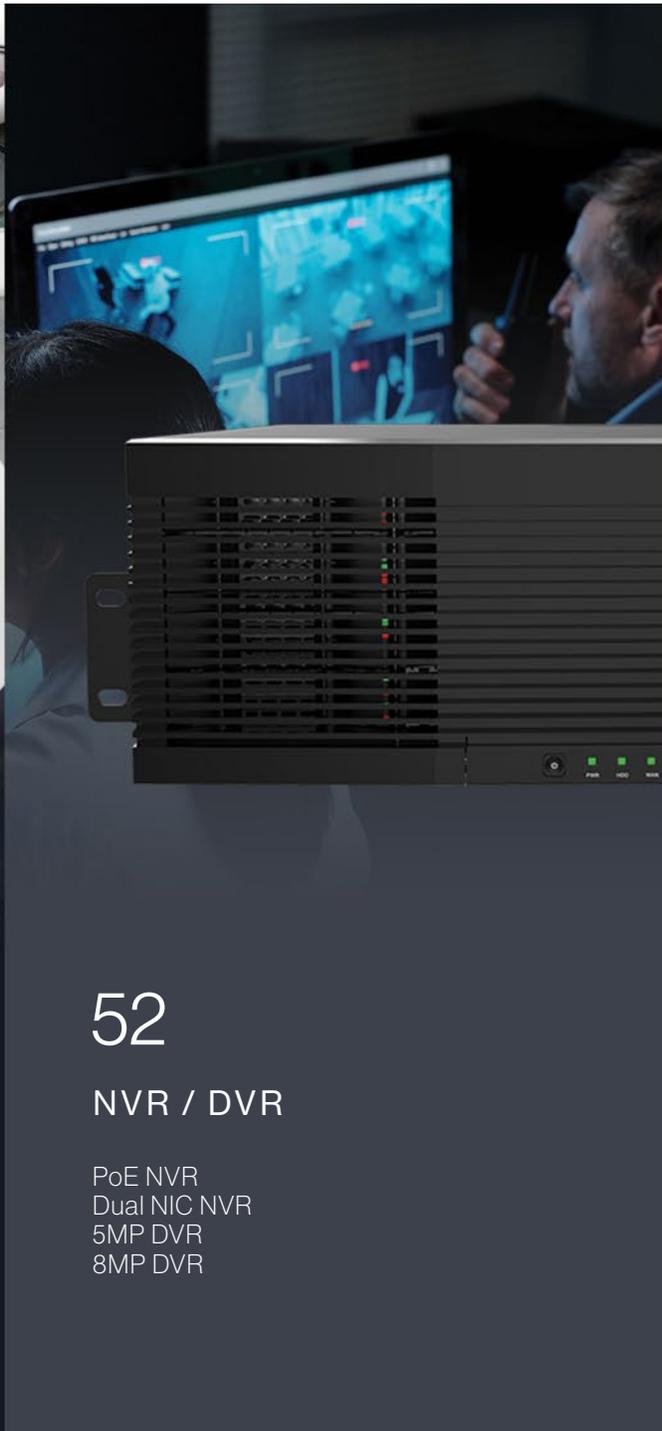
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Innovation, technology starts with our solutions

AVYCON

A New Standard for
Professional Surveillance

AVYCON®

Since our founding in 2012, AVYCON has grown into a leading provider in the video surveillance industry.
We leverage advanced embedded analytics and technology to deliver reliable performance and effective security monitoring across our video surveillance products.
We are committed to manufacturing and supplying high-quality, modern products while maintaining a strong focus on providing superb customer service and technical support to our clients.
Our solutions are designed to satisfy both your commercial and residential needs. As we continue to expand, our commitment remains unwavering to deliver secure and dependable security products globally.
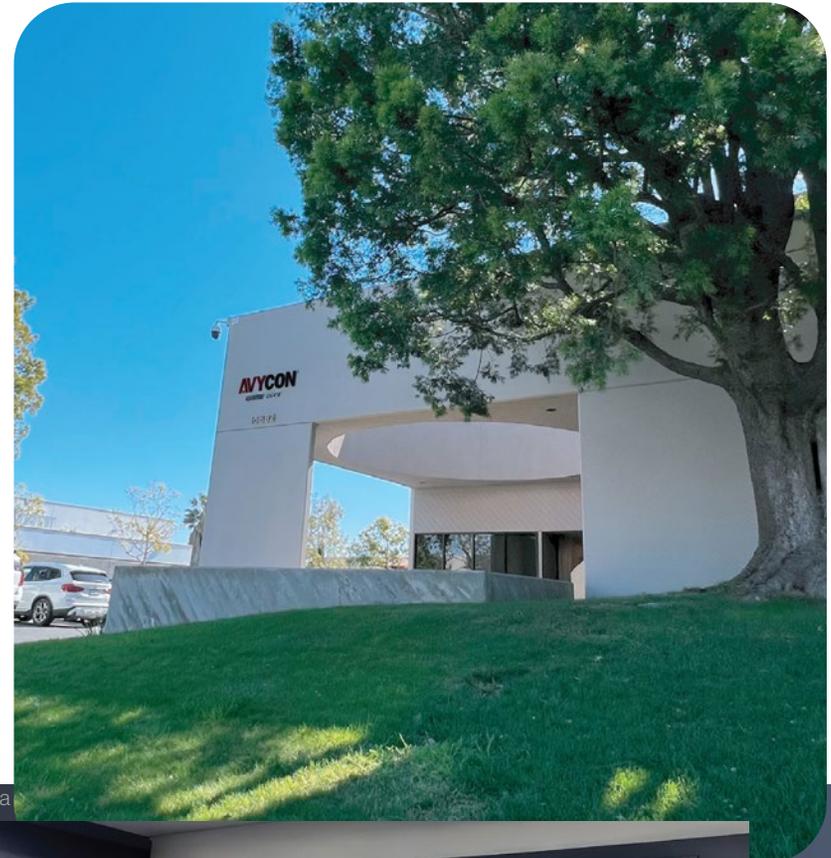
AVYCON HQ in California

AVYCON CX Center in California

Starllion™ is a highly scalable, enterprise-level platform that empowers incumbent hardware with advanced cloud video management capabilities, yielding optimized and efficient surveillance architecture. Starllion™ deploys seamlessly without requiring hardware, software, or licensing overhead, offering effortless plug-and-play connectivity and eliminating the need for port forwarding. The platform furnishes users with centralized cloud management, supporting unlimited viewers and multi-site access, and leveraging AI Cloud Analytics for advanced real-time functionalities like facial recognition and object tracking.

Starllion™ Products

Video Portal

The definitive, unified platform for seamless, intelligent Video Asset Management.

Engineered for superior performance and simplicity, the Starllion™ Video Portal furnishes users with indispensable tools that elevate the entire video management lifecycle. Effortlessly orchestrate cameras, triage events, structure media archives and timelines, and leverage intuitive features meticulously tailored to optimize your entire surveillance ecosystem.
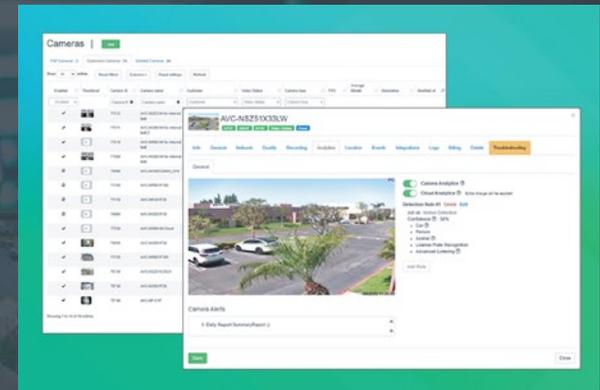
Admin Portal

Effortless surveillance oversight for all remote installations.

This robust platform streamlines surveillance management, from monitoring system metrics and user permissions to orchestrating cameras, providing all essential tools needed to optimize the efficiency of your security operations.

Alarm Portal

The intelligent, definitive solution for Centralized Monitoring optimization.

Deliver instantaneous protection for Security Operations Centers (SOCs), integrators, and monitoring stations by consolidating and automating video surveillance, remote guarding services, and comprehensive IoT device management.

Mobile Portal

Your entire surveillance ecosystem, simplified and available in your pocket.

Easily access Starllion™ Cloud from your mobile to view live video, archived footage, real-time events, and more within one seamless platform.

AVYCON Solutions

Financial Institutions

AVYCON delivers customized digital surveillance solutions for the banking and finance sector.

Critical Infrastructure/Construction

AVYCON delivers scalable, high-impact surveillance for construction sites with high-resolution cameras and advanced analytics to prevent theft and vandalism in real time.

Healthcare

AVYCON provides intelligent, customized surveillance for healthcare facilities, using advanced AI and real-time alerts to protect patients, staff, and assets while improving efficiency and incident control.

Manufacturing Industries

AVYCON provides intelligent, tailored surveillance for manufacturing, using high-resolution cameras and AI to prevent theft, enhance automation, and improve productivity across multiple sites.

Casinos

AVYCON delivers tailored surveillance solutions for gaming venues, reducing risks like theft and fraud while ensuring compliance and safety for staff and customers.

Education

AVYCON enhances campus safety with intelligent, customized systems that prevent unauthorized access, reduce vandalism, and enable rapid crisis response.

Hospitality

AVYCON provides tailored surveillance solutions for hospitality businesses, using high-quality video and insights to protect guests and staff while improving efficiency.

Retail Businesses

AVYCON enhances retail security and profitability with scalable, AI-powered surveillance that deters theft, alerts staff in real time, and ensures a safe environment for all.

Naming Convention

Camera

Company	Product Type	Camera Type	Series Name	Housing Style	MegaPixel	Power	Lens Type	Lens
AV	C	- N	K	E	8	1	F	28

Camera Type

N	Network / IP Camera
T	TVI / HD Analog
W	WiFi

Series Name

A	Value Active-Deterrence InfiniteColor camera with Lite AI
B	Value InfiniteColor camera with Lite AI
C	InfiniteColor camera with Full AI
D	Active-Deterrence InfiniteColor camera with Full AI
K	Enterprise camera with Full AI (TAA compliant)
P	Professional camera with Full AI
R	Solar camera with Full AI
S	Enterprise camera with Full AI
T	Thermal camera with Full AI
U	Ultra-Low Light camera with Full AI

Housing Style

B	Bullet type
D	Indoor Dome type
E	Turret type
F	Fisheye type
K	Mini Dome type
M	Miniature Board type
MS	Multi-Sensor type
V	Vandal Dome type
Z	PTZ type

MegaPixel

2	2MP
4	4MP
5	5MP
8	8MP
12	12MP
20	20MP
32	32MP

Power

1	12VDC power and/or PoE
2	12VDC & 24VAC power (dual power)

Lens Type

F	Fixed lens
M	Motorized lens (Auto focus lens)
V	Varifocal lens (Manual focus lens)
X	Optical zoom lens

Lens

28	2.8mm
32	3.2mm
36	3.6mm
50	50mm
2D	Dual lens Panoramic
180	180° Panoramic
X04	4 times optical zoom
X25	25 times optical zoom
X33	33 times optical zoom
X37	37 times optical zoom

Recorder

Company	Product Type	Recorder Type	Resolution (DVR)	Channel Number	System NIC	PoE Port Number
AV	R	- NSV	5/8	04	P	4

Recorder Type

NSV	NVR
DSV	DVR

Resolution (DVR)

5	Supports 5MP Lite resolution (DVR)
8	Supports 8MP resolution (DVR)

Channel Number

04	4 Channel system
08	8 Channel system
16	16 Channel system
32	32 Channel system
64	64 Channel system
256	256 Channel system

System NIC (NVR)

P	Includes built-in PoE
E1N	Single NIC system
E2N	Dual NIC system

PoE Port Number

4	4 port PoE
8	8 port PoE
16	16 port PoE

Network Cameras

Specialty Cameras

Analog Cameras

NVR / DVR

Network Solutions

IP Speakers

Testers

Network Cameras

NA & NB
Turrets, Bullets

Value series Active Deterence Cameras with Lite AI and InfiniteColor

NC
Turrets, Bullets, Vandal Domes

InfiniteColor cameras with Full AI

ND
Turrets, Bullets, Vandal Domes

Professional series Active Deterrence InfiniteColor cameras with Full AI

AVYCON Professional-Grade AI Network Cameras

This expansive collection of AVYCON Network Camera series is designed for versatile and demanding surveillance applications. The portfolio features a clearly defined tiered structure of capabilities, ensuring an optimal match for every security requirement.

This comprehensive suite of intelligent video security solutions is built upon the most prevalent camera styles such as Turrets, Bullets, and Domes, and is organized across multiple series from NA through NU. Models are categorized by functional tiers, ranging from Accessible to Professional and Enterprise grade, with a core focus on Artificial Intelligence capabilities that extend from AI Lite analytics to more advanced AI for sophisticated video analysis. The high-tier offerings include Active Deterrence features, while the InfiniteColor technology found in the NA, NB, NC, and ND series provides vivid, color-accurate imaging even in challenging low-light conditions. Specialized units such as the NU series Ultra-Low Light cameras are also included to address specific operational needs, resulting in a resilient and adaptable portfolio of effective solutions.

NP
Turrets, Bullets, Vandal & Indoor Domes

Professional series InfiniteStar cameras with Full AI

NS & NK
Turrets, Bullets, Vandal & Indoor Domes

Enterprise InfiniteStar cameras with Full AI

NU
Turrets, Bullets

Ultra-Low Light Active Deterrence InfiniteColor cameras with Full AI

NA Turrets, Bullets

Model	AVC-NAE41F28	AVC-NAE81F28	AVC-NAB41F28	AVC-NAB81F28
Special Features	Active Deterrence, InfiniteColor, Lite AI, 2-Way Audio, Siren	Active Deterrence, InfiniteColor, Lite AI, 2-Way Audio, Siren	Active Deterrence, InfiniteColor, Lite AI, 2-Way Audio, Siren	Active Deterrence, InfiniteColor, Lite AI, 2-Way Audio, Siren
Max. Resolution	4MP (2560x1440) @25fps	8MP (3840x2160) @15fps	4MP (2560x1440) @25fps	8MP (3840x2160) @15fps
Lens	2.8mm Fixed, F1.0	2.8mm Fixed, F1.0	2.8mm Fixed, F1.0	2.8mm Fixed, F1.0
Min. Illumination	Color: 0.002 lux @ F1.0 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.007 lux @ F1.0 (AGC on), B/W: 0 lux (IR LED on)	Color: 0.002 lux @ F1.0 (AGC on), B/W: 0 lux (IR LED on)	Color: 0.007 lux @ F1.0 (AGC on), B/W: 0 lux (IR LED on)
Image Sensor	1/3" Progressive CMOS	1/2.7" Progressive CMOS	1/3" Progressive CMOS	1/2.7" Progressive CMOS
Smart Analytics	Intrusion, Tripwire, Sound, Loitering, Region Entrance, Region Exiting	Intrusion, Tripwire, Sound, Loitering, Region Entrance, Region Exiting	Intrusion, Tripwire, Sound, Loitering, Region Entrance, Region Exiting	Intrusion, Tripwire, Sound, Loitering, Region Entrance, Region Exiting
Audio Support	Built-in MIC / Built-in Speaker	Built-in MIC / Built-in Speaker	Built-in MIC / Built-in Speaker	Built-in MIC / Built-in Speaker
Alarm In/Out	-	-	-	-
MicroSD Storage	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)
Protection	IP67	IP67	IP67	IP67
Power	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V

Compatible Accessories

AVM-JB-BE-S2   AVM-JB-DUAL-US1   AVM-CWM-EV-S2   AVM-JB-B-AD1

AVM-HWM-E-S2   AVM-HCM-E-S2

Model	AVC-NBE41F28(-B)	AVC-NBE81F28 (-B)	AVC-NBB41F28	AVC-NBB81F28
Special Features	InfiniteColor, Lite AI	InfiniteColor, Lite AI	InfiniteColor, Lite AI	InfiniteColor, Lite AI
Max. Resolution	4MP (2560x1440) @25fps	8MP (3840x2160) @15fps	4MP (2560x1440) @25fps	8MP (3840x2160) @15fps
Lens	2.8mm Fixed, F1.6	2.8mm Fixed, F1.6	2.8mm Fixed, F1.6	2.8mm Fixed, F1.6
Min. Illumination	Color: 0.004 lux @ F1.6 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.009 lux @ F1.6 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.004 lux @ F1.6 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.009 lux @ F1.6 (AGC on) B/W: 0 lux (IR LED on)
Image Sensor	1/3" Progressive CMOS	1/2.7" Progressive CMOS	1/3" Progressive CMOS	1/2.7" Progressive CMOS
Smart Analytics	Intrusion, Tripwire, Sound, Loitering, Region Entrance, Region Exiting	Intrusion, Tripwire, Sound, Loitering, Region Entrance, Region Exiting	Intrusion, Tripwire, Sound, Loitering, Region Entrance, Region Exiting	Intrusion, Tripwire, Sound, Loitering, Region Entrance, Region Exiting
Audio Support	Built-in MIC	Built-in MIC	Built-in MIC	Built-in MIC
Alarm In/Out	-	-	-	-
MicroSD Storage	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)
Protection	IP67	IP67	IP67	IP67
Power	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V

Compatible Accessories

AVM-JB-BE-S2 AVM-JB-DUAL-US1 AVM-CWM-EV-S2 AVM-JB-B-AD1

AVM-HWM-E-S2 AVM-HCM-E-S2

NC Turrets

Model	AVC-NCE51F28(-B)	AVC-NCE81F28(-B)	AVC-NCE51M	AVC-NCE81M
Special Features	InfiniteColor, AI	InfiniteColor, AI	InfiniteColor, AI	InfiniteColor, AI
Max. Resolution	5MP (2880x1620) @30fps	8MP (3840x2160) @30fps	5MP (2880x1620) @30fps	8MP (3840x2160) @30fps
Lens	2.8mm Fixed, F1.0	2.8mm Fixed, F1.0	2.7-13.5mm Motorized, F1.2	2.7-13.5mm Motorized, F1.2
Min. Illumination	Color: 0.002 lux @ F1.0 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.007 lux @ F1.0 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.002 lux @ F1.0 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.007 lux @ F1.6 (AGC on) B/W: 0 lux (IR LED on)
Image Sensor	1/2.7" Progressive CMOS	1/2.7" Progressive CMOS	1/2.7" Progressive CMOS	1/2.7" Progressive CMOS
Smart Analytics	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting
Audio Support	Built-in MIC	Built-in MIC	1 Line-In (RCA) / 1 Line-Out (RCA)	1 Line-In (RCA) / 1 Line-Out (RCA)
Alarm In/Out	-	-	1 Input / 1 Output	1 Input / 1 Output
MicroSD Storage	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)
Protection	IP67	IP67	IP67	IP67
Power	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V

Compatible Accessories

AVM-JB-BE-S2   AVM-JB-DUAL-US1   AVM-CWM-EV-S2

AVM-HWM-E-S2   AVM-HCM-E-S2

AVM-JB-BE-L1   AVM-JB-DUAL-UL1   AVM-CWM-EDV-L1

AVM-HWM-E-L1   AVM-HCM-E-L1

Model	AVC-NCB51F28	AVC-NCB81F28	AVC-NCB51M	AVC-NCB81M
Special Features	InfiniteColor, AI	InfiniteColor, AI	InfiniteColor, AI	InfiniteColor, AI
Max. Resolution	5MP (2880x1620) @30fps	8MP (3840x2160) @30fps	5MP (2880x1620) @30fps	8MP (3840x2160) @30fps
Lens	2.8mm Fixed, F1.0	2.8mm Fixed, F1.0	2.7-13.5mm Motorized, F1.2	2.7-13.5mm Motorized, F1.2
Min. Illumination	Color: 0.002 lux @ F1.0 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.007 lux @ F1.0 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.002 lux @ F1.0 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.007 lux @ F1.6 (AGC on) B/W: 0 lux (IR LED on)
Image Sensor	1/2.7" Progressive CMOS	1/2.7" Progressive CMOS	1/2.7" Progressive CMOS	1/2.7" Progressive CMOS
Smart Analytics	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting
Audio Support	Built-in MIC	Built-in MIC	1 Line-In (RCA) / 1 Line-Out (RCA)	1 Line-In (RCA) / 1 Line-Out (RCA)
Alarm In/Out	-	-	1 Input / 1 Output	1 Input / 1 Output
MicroSD Storage	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)
Protection	IP67	IP67	IP67	IP67
Power	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V

Compatible Accessories

AVM-JB-BE-S2 · AVM-JB-DUAL-US1 · AVM-HCM-E-S2 · AVM-JB-BE-S2 · AVM-JB-BE-L1 · AVM-JB-DUAL-UL1 · AVM-HCM-E-L1

NC Vandal Domes

Model	AVC-NCV51F28	AVC-NCV81F28	AVC-NCV51M	AVC-NCV81M
Special Features	InfiniteColor, AI, 2-Way Audio, Siren	InfiniteColor, AI, 2-Way Audio, Siren	InfiniteColor, AI, 2-Way Audio, Siren	InfiniteColor, AI, 2-Way Audio, Siren
Max. Resolution	5MP (2880x1620) @30fps	8MP (3840x2160) @30fps	5MP (2880x1620) @30fps	8MP (3840x2160) @30fps
Lens	2.8mm Fixed, F1.0	2.8mm Fixed, F1.0	2.7-13.5mm Motorized, F1.2	2.7-13.5mm Motorized, F1.2
Min. Illumination	Color: 0.002 lux @ F1.0 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.007 lux @ F1.0 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.007 lux @ F1.0 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.007 lux @ F1.0 (AGC on) B/W: 0 lux (IR LED on)
Image Sensor	1/2.7" Progressive CMOS	1/2.8" Progressive CMOS	1/2.7" Progressive CMOS	1/2.8" Progressive CMOS
Smart Analytics	Face, Pedestrian & Vehicle, Intrusion Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting	Face, Pedestrian & Vehicle, Intrusion Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting	Face, Pedestrian & Vehicle, Intrusion Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting	Face, Pedestrian & Vehicle, Intrusion Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting
Audio Support	Built-in MIC / Built-in Speaker	Built-in MIC / Built-in Speaker	Built-in MIC / Built-in Speaker	Built-in MIC / Built-in Speaker
Alarm In/Out	-	-	1 Input / 1 Output	1 Input / 1 Output
MicroSD Storage	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)
Protection	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10
Power	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V

Compatible Accessories

AVM-JB-VG-S3   AVM-CWM-VG-S3   AVM-HWM-VG-S3   AVM-JB-VG-L3   AVM-CWM-VG-L3   AVM-HWM-VG-L3

AVM-RM-V-S1   AVM-JB-DUAL-US1   AVM-RM-V-L1   AVM-JB-DUAL-UL1

Model	AVC-NDE51F28	AVC-NDE81F28	AVC-NDE51M	AVC-NDE81M
Special Features	Active Deterrence, InfiniteColor, AI, 2-Way Audio, Siren	Active Deterrence, InfiniteColor, AI, 2-Way Audio, Siren	Active Deterrence, InfiniteColor, AI, 2-Way Audio, Siren	Active Deterrence, InfiniteColor, AI, 2-Way Audio, Siren
Max. Resolution	5MP (2880x1620) @30fps	8MP (3840x2160) @30fps	5MP (2880x1620) @30fps	8MP (3840x2160) @30fps
Lens	2.8mm Fixed, F1.0	2.8mm Fixed, F1.0	2.7-13.5mm Motorized, F1.2	2.7-13.5mm Motorized, F1.2
Min. Illumination	Color: 0.002 lux @ F1.0 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.007 lux @ F1.0 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.002 lux @ F1.0 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.007 lux @ F1.0 (AGC on) B/W: 0 lux (IR LED on)
Image Sensor	1/2.7" Progressive CMOS	1/2.8" Progressive CMOS	1/2.7" Progressive CMOS	1/2.8" Progressive CMOS
Smart Analytics	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting
Audio Support	Built-in MIC / Built-in Speaker	Built-in MIC / Built-in Speaker	Built-in MIC / Built-in Speaker	Built-in MIC / Built-in Speaker
Alarm In/Out	-	-	1 Input / 1 Output	1 Input / 1 Output
MicroSD Storage	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)
Protection	IP67	IP67	IP67	IP67
Power	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V

Compatible Accessories

AVM-JB-BE-S2   AVM-JB-DUAL-US1   AVM-CWM-EV-S2

AVM-HWM-E-S2   AVM-HCM-E-S2

AVM-JB-BE-L1   AVM-JB-DUAL-UL1   AVM-CWM-EDV-L1

AVM-HWM-E-L1   AVM-HCM-E-L1

ND Bullets

Model	AVC-NDB51F28	AVC-NDB81F28	AVC-NDB51M	AVC-NDB81M
Special Features	Active Deterrence, InfiniteColor, AI, 2-Way Audio, Siren	Active Deterrence, InfiniteColor, AI, 2-Way Audio, Siren	Active Deterrence, InfiniteColor, AI, 2-Way Audio, Siren	Active Deterrence, InfiniteColor, AI, 2-Way Audio, Siren
Max. Resolution	5MP (2880x1620) @30fps	8MP (3840x2160) @30fps	5MP (2880x1620) @30fps	8MP (3840x2160) @30fps
Lens	2.8mm Fixed, F1.0	2.8mm Fixed, F1.0	2.7-13.5mm Motorized, F1.2	2.7-13.5mm Motorized, F1.2
Min. Illumination	Color: 0.002 lux @ F1.0 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.007 lux @ F1.0 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.002 lux @ F1.0 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.007 lux @ F1.0 (AGC on) B/W: 0 lux (IR LED on)
Image Sensor	1/2.7" Progressive CMOS	1/2.8" Progressive CMOS	1/2.7" Progressive CMOS	1/2.8" Progressive CMOS
Smart Analytics	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting
Audio Support	Built-in MIC / Built-in Speaker	Built-in MIC / Built-in Speaker	Built-in MIC / Built-in Speaker	Built-in MIC / Built-in Speaker
Alarm In/Out	-	-	1 Input / 1 Output	1 Input / 1 Output
MicroSD Storage	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)
Protection	IP67	IP67	IP67	IP67
Power	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V

Compatible Accessories

AVM-JB-BE-S2   AVM-HCM-E-S2

AVM-JB-BE-S2   AVM-JB-BE-L1   AVM-JB-DUAL-UL1

AVM-HCM-E-L1

Model	AVC-NDV51F28	AVC-NDV81F28	AVC-NDV51M	AVC-NDV81M
Special Features	Active Deterrence, InfiniteColor, AI, 2-Way Audio, Siren	Active Deterrence, InfiniteColor, AI, 2-Way Audio, Siren	Active Deterrence, InfiniteColor, AI, 2-Way Audio, Siren	Active Deterrence, InfiniteColor, AI, 2-Way Audio, Siren
Max. Resolution	5MP (2880x1620) @30fps	8MP (3840x2160) @30fps	5MP (2880x1620) @30fps	8MP (3840x2160) @30fps
Lens	2.8mm Fixed, F1.0	2.8mm Fixed, F1.0	2.7-13.5mm Motorized, F1.2	2.7-13.5mm Motorized, F1.2
Min. Illumination	Color: 0.002 lux @ F1.0 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.007 lux @ F1.0 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.002 lux @ F1.0 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.007 lux @ F1.0 (AGC on) B/W: 0 lux (IR LED on)
Image Sensor	1/2.7" Progressive CMOS	1/2.8" Progressive CMOS	1/2.7" Progressive CMOS	1/2.8" Progressive CMOS
Smart Analytics	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting
Audio Support	Built-in MIC / Built-in Speaker	Built-in MIC / Built-in Speaker	Built-in MIC / Built-in Speaker	Built-in MIC / Built-in Speaker
Alarm In/Out	-	-	1 Input / 1 Output	1 Input / 1 Output
MicroSD Storage	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)
Protection	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10
Power	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V

Compatible Accessories

AVM-JB-VG-S3	AVM-CWM-VG-S3	AVM-HWM-VG-S3	AVM-JB-VG-L3	AVM-CWM-VG-L3	AVM-HWM-VG-L3
AVM-RM-V-S1	AVM-JB-DUAL-US1		AVM-RM-V-L1	AVM-JB-DUAL-UL1	

NP Turrets

Model	AVC-NPE51F28(-B) / NPE51F36	AVC-NPE81F28(-B)	AVC-NPE51M(-B)	AVC-NPE81M(-B)
Special Features	InfiniteStar, AI	InfiniteStar, AI	InfiniteStar, AI	InfiniteStar, AI
Max. Resolution	5MP (2880x1620) @30fps	8MP (3840x2160) @20fps	5MP (2880x1620) @30fps	8MP (3840x2160) @20fps
Lens	2.8mm Fixed, F1.6 / 3.6mm Fixed, F1.2	2.8mm Fixed, F1.6	2.7-13.5mm Motorized, F1.8 (Wide)-3.3 (Tele)	2.7-13.5mm Motorized, F1.6 (Wide)-3.3 (Tele)
Min. Illumination	Color: 0.004, 0.05 lux @ F1.6, F1.2 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.009 lux @ F1.6 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.004 lux @ F1.6 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.009 lux @ F1.6 (AGC on) B/W: 0 lux (IR LED on)
Image Sensor	1/2.7" Progressive CMOS	1/2.7" Progressive CMOS	1/2.7" Progressive CMOS	1/2.7" Progressive CMOS
Smart Analytics	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, Rare Sound, Loitering, Region Entrance, Region Exiting	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, Rare Sound, Loitering, Region Entrance, Region Exiting
Audio Support	Built-in MIC	Built-in MIC	1 Line-In (RCA) / 1 Line-Out (RCA)	1 Line-In (RCA) / 1 Line-Out (RCA)
Alarm In/Out	-	-	1 Input / 1 Output	1 Input / 1 Output
MicroSD Storage	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)
Protection	IP67	IP67	IP67	IP67
Power	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V

Compatible Accessories

AVM-JB-BE-S2   AVM-JB-DUAL-US1   AVM-CWM-EV-S2

AVM-HWM-E-S2   AVM-HCM-E-S2

AVM-JB-BE-L1   AVM-JB-DUAL-UL1   AVM-CWM-EDV-L1

AVM-HWM-E-L1   AVM-HCM-E-L1

Model	AVC-NPB51F28(-B)	AVC-NPB81F28	AVC-NPB51M(-B) / NPB51M50	AVC-NPB81M
Special Features	InfiniteStar, AI	InfiniteStar, AI	InfiniteStar, AI	InfiniteStar, AI
Max. Resolution	5MP (2880x1620) @30fps	8MP (3840x2160) @20fps	5MP (2880x1620) @30fps	8MP (3840x2160) @20fps
Lens	2.8mm Fixed, F1.6	2.8mm Fixed, F1.6	2.7-13.5mm / 5-50mm Motorized, F1.8 (Wide)-3.3 (Tele), F2.0 ± 5%	2.7-13.5mm Motorized, F1.6 (Wide)-3.3 (Tele)
Min. Illumination	Color: 0.004 lux @ F1.6 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.009 lux @ F1.6 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.004 lux @ F1.6 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.009 lux @ F1.6 (AGC on) B/W: 0 lux (IR LED on)
Image Sensor	1/2.7" Progressive CMOS	1/2.7" Progressive CMOS	1/2.7" Progressive CMOS	1/2.7" Progressive CMOS
Smart Analytics	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, Rare Sound, Loitering, Region Entrance, Region Exiting	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, Rare Sound, Loitering, Region Entrance, Region Exiting
Audio Support	Built-in MIC	Built-in MIC	1 Line-In (RCA) / 1 Line-Out (RCA)	1 Line-In (RCA) / 1 Line-Out (RCA)
Alarm In/Out	-	-	1 Input / 1 Output	1 Input / 1 Output
MicroSD Storage	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)
Protection	IP67	IP67	IP67	IP67
Power	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V

Compatible Accessories

 AVM-JB-BE-S2   AVM-JB-DUAL-US1   AVM-HCM-E-S2

 AVM-JB-BE-S2   AVM-JB-BE-L1   AVM-JB-DUAL-UL1

 AVM-HCM-E-L1

NP Vandal Domes

Model	AVC-NPV51F28	AVC-NPV81F28	AVC-NPV51M	AVC-NPV81M
Special Features	InfiniteStar, AI	InfiniteStar, AI	InfiniteStar, AI	InfiniteStar, AI
Max. Resolution	5MP (2880x1620) @30fps	8MP (3840x2160) @20fps	5MP (2880x1620) @30fps	8MP (3840x2160) @20fps
Lens	2.8mm Fixed, F1.6	2.8mm Fixed, F1.6	2.7-13.5mm Motorized, F1.8 (Wide)-3.3 (Tele)	2.7-13.5mm Motorized, F1.6 (Wide)-3.3 (Tele)
Min. Illumination	Color: 0.004 lux @ F1.6 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.009 lux @ F1.6 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.004 lux @ F1.6 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.009 lux @ F1.6 (AGC on) B/W: 0 lux (IR LED on)
Image Sensor	1/2.7" Progressive CMOS	1/2.7" Progressive CMOS	1/2.7" Progressive CMOS	1/2.7" Progressive CMOS
Smart Analytics	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, Rare Sound, Loitering, Region Entrance, Region Exiting	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, Rare Sound, Loitering, Region Entrance, Region Exiting
Audio Support	1 Line-In (RCA) / 1 Line-Out (RCA)	1 Line-In (RCA) / 1 Line-Out (RCA)	1 Line-In (RCA) / 1 Line-Out (RCA)	1 Line-In (RCA) / 1 Line-Out (RCA)
Alarm In/Out	-	-	1 Input / 1 Output	1 Input / 1 Output
MicroSD Storage	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)
Protection	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10
Power	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V

Compatible Accessories

AVM-JB-V-S1

AVM-JB-DUAL-US1

AVM-CWM-EV-S2

AVM-HWM-V-S1

AVM-HCM-V-S1

AVM-RM-V-S1

AVM-JB-V-L1

AVM-JB-DUAL-UL1

AVM-CWM-EDV-L1

AVM-HWM-V-L1

AVM-HCM-V-L1

AVM-RM-V-L1

Model	AVC-NPD51F28	AVC-NPD81F28	AVC-NPD51M	AVC-NPD81M	AVC-NPK51F28	AVC-NPK81F28
Special Features	InfiniteStar, AI	InfiniteStar, AI	InfiniteStar, AI	InfiniteStar, AI	InfiniteStar, AI	InfiniteStar, AI
Max. Resolution	5MP (2880x1620) @30fps	8MP (3840x2160) @20fps	5MP (2880x1620) @30fps	8MP (3840x2160) @20fps	5MP (2880x1620) @30fps	8MP (3840x2160) @30fps
Lens	2.8mm Fixed, F1.6	2.8mm Fixed, F1.6	2.7-13.5mm Motorized, F1.8 (Wide)-3.3 (Tele)	2.7-13.5mm Motorized, F1.6 (Wide)-3.3 (Tele)	2.8mm Fixed, F1.6	2.8mm Fixed, F1.6
Min. Illumination	Color: 0.004 lux @ F1.6 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.009 lux @ F1.6 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.004 lux @ F1.6 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.009 lux @ F1.6 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.004 lux @ F1.6 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.009 lux @ F1.6 (AGC on) B/W: 0 lux (IR LED on)
Image Sensor	1/2.7" Progressive CMOS	1/2.7" Progressive CMOS	1/2.7" Progressive CMOS	1/2.7" Progressive CMOS	1/2.7" Progressive CMOS	1/2.7" Progressive CMOS
Smart Analytics	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, Rare Sound, Loitering, Region Entrance, Region Exiting	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, Rare Sound, Loitering, Region Entrance, Region Exiting	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting
Audio Support	1 Line-In (RCA) / 1 Line-Out (RCA)	1 Line-In (RCA) / 1 Line-Out (RCA)	1 Line-In (RCA) / 1 Line-Out (RCA)	1 Line-In (RCA) / 1 Line-Out (RCA)	Built-in MIC	Built-in MIC
Alarm In/Out	-	-	1 Input / 1 Output	1 Input / 1 Output	-	-
MicroSD Storage	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)
Protection	Indoor Only	Indoor Only	Indoor Only	Indoor Only	IP67	IP67
Power	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V

Compatible Accessories

AVM-CWM-EDV-L1

NS & NK Turrets

Model	AVC-NKE51F28	AVC-NSE81F28(-B) / NKE81F28 / NSE81F36	AVC-NKE51M	AVC-NSE81M(-B) / NKE81M
Special Features	InfiniteStar, AI, Face Attributes	InfiniteStar, AI, Face Attributes	InfiniteStar, AI, Face Attributes	InfiniteStar, AI, Face Attributes
Max. Resolution	5MP (2592x1944) @30fps	8MP (3840x2160) @30fps	5MP (2592x1944) @30fps	8MP (3840x2160) @30fps
Lens	2.8mm Fixed, F1.6	2.8mm Fixed, F1.6 / 3.6mm Fixed, F1.2	2.7-13.5mm Motorized, F1.8 (Wide)-3.3 (Tele)	2.7-13.5mm Motorized, F1.8 (Wide)-3.3 (Tele)
Min. Illumination	Color: 0.004 lux @ F1.6 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.009 lux @ F1.6 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.004 lux @ F1.6 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.009 lux @ F1.6 (AGC on) B/W: 0 lux (IR LED on)
Image Sensor	1/2.7" Progressive CMOS	1/2.8" Progressive CMOS	1/2.7" Progressive CMOS	1/2.8" Progressive CMOS
Smart Analytics	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting
Audio Support	Built-in MIC	Built-in MIC	1 Line-In (RCA) / 1 Line-Out (RCA)	1 Line-In (RCA) / 1 Line-Out (RCA)
Alarm In/Out	-	-	1 Input / 1 Output	1 Input / 1 Output
MicroSD Storage	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)
Protection	IP67	IP67	IP67	IP67
Power	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V

Compatible Accessories

AVM-JB-BE-S2 AVM-JB-DUAL-US1 AVM-CWM-EV-S2

AVM-HWM-E-S2 AVM-HCM-E-S2

AVM-JB-BE-L1 AVM-JB-DUAL-UL1 AVM-CWM-EDV-L1

AVM-HWM-E-L1 AVM-HCM-E-L1

Model	AVC-NKB51F28	AVC-NSB81F28(-B) / NKB81F28	AVC-NKB51M/ NKB51M50	AVC-NSB81M(-B) / NKB81M/ NSB81M50/ NKB81M50
Special Features	InfiniteStar, AI, Face Attributes	InfiniteStar, AI, Face Attributes	InfiniteStar, AI, Face Attributes	InfiniteStar, AI, Face Attributes
Max. Resolution	5MP (2592x1944) @30fps	8MP (3840x2160) @30fps	5MP (2592x1944) @30fps	8MP (3840x2160) @30fps
Lens	2.8mm Fixed, F1.6	2.8mm Fixed, F1.6	2.7-13.5mm / 5-50mm Motorized, F1.8 (Wide)-3.3 (Tele), F2.0 ± 5%	2.7-13.5mm / 5-50mm Motorized, F1.8 (Wide)-3.3 (Tele), F2.0 ± 5%
Min. Illumination	Color: 0.004 lux @ F1.6 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.009 lux @ F1.6 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.004, 0.05 lux @ F1.6 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.009 lux @ F1.6 (AGC on) B/W: 0 lux (IR LED on)
Image Sensor	1/2.7" Progressive CMOS	1/2.8" Progressive CMOS	1/2.7" Progressive CMOS	1/2.8" Progressive CMOS
Smart Analytics	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting
Audio Support	Built-in MIC	Built-in MIC	1 Line-In (RCA) / 1 Line-Out (RCA)	1 Line-In (RCA) / 1 Line-Out (RCA)
Alarm In/Out	-	-	1 Input / 1 Output	1 Input / 1 Output
MicroSD Storage	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)
Protection	IP67	IP67	IP67	IP67
Power	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V

Compatible Accessories

AVM-JB-BE-S2 AVM-JB-DUAL-US1 AVM-HCM-E-S2

AVM-JB-BE-S2 AVM-JB-BE-L1 AVM-JB-DUAL-UL1

AVM-HCM-E-L1

NS & NK Vandal Domes

Model	AVC-NKV51F28	AVC-NSV81F28 / NKV81F28	AVC-NKV51M	AVC-NSV81M / NKV81M
Special Features	InfiniteStar, AI, Face Attributes	InfiniteStar, AI, Face Attributes	InfiniteStar, AI, Face Attributes	InfiniteStar, AI, Face Attributes
Max. Resolution	5MP (2592x1944) @30fps	8MP (3840x2160) @30fps	5MP (2592x1944) @30fps	8MP (3840x2160) @30fps
Lens	2.8mm Fixed, F1.6	2.8mm Fixed, F1.6	2.7-13.5mm Motorized, F1.8 (Wide)-3.3 (Tele)	2.7-13.5mm Motorized, F1.8 (Wide)-3.3 (Tele)
Min. Illumination	Color: 0.004 lux @ F1.6 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.009 lux @ F1.6 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.004 lux @ F1.6 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.009 lux @ F1.6 (AGC on) B/W: 0 lux (IR LED on)
Image Sensor	1/2.7" Progressive CMOS	1/2.8" Progressive CMOS	1/2.7" Progressive CMOS	1/2.8" Progressive CMOS
Smart Analytics	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting
Audio Support	1 Line-In (RCA) / 1 Line-Out (RCA)	1 Line-In (RCA) / 1 Line-Out (RCA)	1 Line-In (RCA) / 1 Line-Out (RCA)	1 Line-In (RCA) / 1 Line-Out (RCA)
Alarm In/Out	-	-	1 Input / 1 Output	1 Input / 1 Output
MicroSD Storage	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)
Protection	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10
Power	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V

Compatible Accessories

AVM-JB-V-S1 AVM-JB-DUAL-US1 AVM-CWM-EV-S2

AVM-HWM-V-S1 AVM-HCM-V-S1 AVM-RM-V-S1

AVM-JB-V-L1 AVM-JB-DUAL-UL1 AVM-CWM-EDV-L1

AVM-HWM-V-L1 AVM-HCM-V-L1 AVM-RM-V-L1

Model	AVC-NKD51F28	AVC-NSD81F28 / NKD81F28	AVC-NSD51M / NKD51M	AVC-NSD81M / NKD81M
Special Features	InfiniteStar, AI, Face Attributes	InfiniteStar, AI, Face Attributes	InfiniteStar, AI, Face Attributes	InfiniteStar, AI, Face Attributes
Max. Resolution	5MP (2592x1944) @30fps	8MP (3840x2160) @30 fps	5MP (2592x1944) @30fps	8MP (3840x2160) @30fps
Lens	2.8mm Fixed, F1.6	2.8mm Fixed, F1.6	2.7-13.5mm Motorized, F1.8 (Wide)-3.3 (Tele)	2.7-13.5mm Motorized, F1.8 (Wide)-3.3 (Tele)
Min. Illumination	Color: 0.004 lux @ F1.6 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.009 lux @ F1.6 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.004 lux @ F1.6 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.009 lux @ F1.6 (AGC on) B/W: 0 lux (IR LED on)
Image Sensor	1/2.7" Progressive CMOS	1/2.8" Progressive CMOS	1/2.7" Progressive CMOS	1/2.8" Progressive CMOS
Smart Analytics	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting
Audio Support	1 Line-In (RCA) / 1 Line-Out (RCA)	1 Line-In (RCA) / 1 Line-Out (RCA)	1 Line-In (RCA) / 1 Line-Out (RCA)	1 Line-In (RCA) / 1 Line-Out (RCA)
Alarm In/Out	-	-	1 Input / 1 Output	1 Input / 1 Output
MicroSD Storage	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)
Protection	Indoor Only	Indoor Only	Indoor Only	Indoor Only
Power	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V

Compatible Accessories

 AVM-CWM-EDV-L1

NU Turrets

Model	AVC-NUE41F28	AVC-NUE81F28	AVC-NUE41M	AVC-NUE81M
Special Features	Active Deterrence, 2-Way Audio, Siren, InfiniteColor, Ultra Low-Light, AI, Face Attributes	Active Deterrence, 2-Way Audio, Siren, InfiniteColor, Ultra Low-Light, AI, Face Attributes	Active Deterrence, 2-Way Audio, Siren, InfiniteColor, Ultra Low-Light, AI, Face Attributes	Active Deterrence, 2-Way Audio, Siren, InfiniteColor, Ultra Low-Light, AI, Face Attributes
Max. Resolution	4MP (2680x1520) @30fps	8MP (3840x2160) @30fps	4MP (2680x1520) @30fps	8MP (3840x2160) @30fps
Lens	2.8mm Fixed, F1.0	2.8mm Fixed, F1.0	3-8mm Motorized, F1.0	3-8mm Motorized, F1.0
Min. Illumination	Color: 0.0005 lux @ F1.0 (AGC on)	Color: 0.0005 lux @ F1.0 (AGC on)	Color: 0.0005 lux @ F1.0 (AGC on)	Color: 0.0005 lux @ F1.0 (AGC on)
Image Sensor	1/1.8" Progressive CMOS	1/1.8" Progressive CMOS	1/1.8" Progressive CMOS	1/1.8" Progressive CMOS
Smart Analytics	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting
Audio Support	Built-in MIC / Built-in Speaker	Built-in MIC / Built-in Speaker	Built-in MIC / Built-in Speaker	Built-in MIC / Built-in Speaker
Alarm In/Out	-	-	1 Input / 1 Output	1 Input / 1 Output
MicroSD Storage	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)
Protection	IP67	IP67	IP67	IP67
Power	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V

Compatible Accessories

 AVM-JB-BE-S2   AVM-JB-DUAL-US1   AVM-CWM-EV-S2

 AVM-JB-BE-L1   AVM-JB-DUAL-UL1   AVM-CWM-EDV-L1

 AVM-HWM-E-S2   AVM-HCM-E-S2

 AVM-HWM-E-L1   AVM-HCM-E-L1

Model	AVC-NUB41F28	AVC-NUB81F28	AVC-NUB41M	AVC-NUB81M
Special Features	Active Deterrence, 2-Way Audio, Siren, InfiniteColor, Ultra Low-Light, AI, Face Attributes	Active Deterrence, 2-Way Audio, Siren, InfiniteColor, Ultra Low-Light, AI, Face Attributes	Active Deterrence, 2-Way Audio, Siren, InfiniteColor, Ultra Low-Light, AI, Face Attributes	Active Deterrence, 2-Way Audio, Siren, InfiniteColor, Ultra Low-Light, AI, Face Attributes
Max. Resolution	4MP (2680x1520) @30fps	8MP (3840x2160) @30fps	4MP (2680x1520) @30fps	8MP (3840x2160) @30fps
Lens	2.8mm Fixed, F1.0	2.8mm Fixed, F1.0	3-8mm Motorized, F1.0	3-8mm Motorized, F1.0
Min. Illumination	Color: 0.0005 lux @ F1.0 (AGC on)	Color: 0.0005 lux @ F1.0 (AGC on)	Color: 0.0005 lux @ F1.0 (AGC on)	Color: 0.0005 lux @ F1.0 (AGC on)
Image Sensor	1/1.8" Progressive CMOS	1/1.8" Progressive CMOS	1/1.8" Progressive CMOS	1/1.8" Progressive CMOS
Special Features	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting
Audio Support	Built-in MIC / Built-in Speaker	Built-in MIC / Built-in Speaker	Built-in MIC / Built-in Speaker	Built-in MIC / Built-in Speaker
Alarm In/Out	-	-	1 Input / 1 Output	1 Input / 1 Output
MicroSD Storage	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)
Protection	IP67	IP67	IP67	IP67
Power	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V

Compatible Accessories

AVM-JB-BE-S2　　AVM-JB-DUAL-US1　　AVM-HCM-E-S2

AVM-JB-BE-S2　　AVM-JB-BE-L1　　AVM-JB-DUAL-UL1

AVM-HCM-E-L1

Network
Cameras

Specialty
Cameras

Analog
Cameras

NVR / DVR

Network
Solutions

IP Speakers

Testers

30

Specialty Cameras

Thermal

Thermal imaging cameras with Full AI

Multi-Sensor

Multi-Directional cameras with Full AI

PTZ

PTZ multi-function cameras with Full AI

Advanced AI-Powered Specialty Cameras

This diverse collection leverages full artificial intelligence (AI) across a range of form factors to deliver intelligent, comprehensive surveillance. The offerings are designed for various deployment needs, from wide-area coverage to specialized functions.

This camera portfolio offers diverse, AI-enhanced solutions for various security needs, from wide-area coverage to specialized access control. Options include Thermal imaging cameras and Multi-Sensor cameras for flexible monitoring, alongside Panoramic/Fisheye options for expansive views. The line also features PTZ multi-function cameras for dynamic tracking and Doorbell cameras with embedded AI for secure entry-point monitoring integrated with a mobile app. For deployment flexibility, the Solar Solution provides power-independent cameras for remote installations and SIM card capability. This collection provides a variety of high-tech cameras, all enhanced with AI capabilities for smarter, more efficient security.

180° & Fisheye

180° Panoramic and Fisheye cameras with Full AI

Doorbell

Doorbell cameras with embedded AI and doorbell functions integrated with mobile app

Solar Camera Solution

Solar-Power based cameras

Thermal Cameras

Model	AVC-NTE51M32	AVC-NTE51M07	AVC-NTB51M32	AVC-NTB51M07
Special Features	AI, Thermal Imaging, Temperature Measurement	AI, Thermal Imaging, Temperature Measurement	AI, Thermal Imaging, Temperature Measurement	AI, Thermal Imaging, Temperature Measurement
Max. Resolution	5MP (2592x1944) @30fps Thermal Module (256x192)	5MP (2592x1944) @30fps Thermal Module (256x192)	5MP (2592x1944) @30fps Thermal Module (256x192)	5MP (2592x1944) @30fps Thermal Module (256x192)
Lens	Thermal: 3.2mm Fixed, F1.1 Optical: 3.6mm Fixed, F1.6	Thermal: 7mm Fixed, F1.0 Optical: 8.0mm Fixed, F1.6	Thermal: 3.2mm Fixed, F1.1 Optical: 3.6mm Fixed, F1.6	Thermal: 7mm Fixed, F1.0 Optical: 8.0mm Fixed, F1.6
Min. Illumination	Color: 0.003 lux @F1.6 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.003 lux @F1.6 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.003 lux @F1.6 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.003 lux @F1.6 (AGC on) B/W: 0 lux (IR LED on)
Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays	Vanadium Oxide Uncooled Focal Plane Arrays
Smart Analytics	Face, Intrusion, Tripwire, Human & Vehicle, Sound, Rare Sound, Tripwire Count, Queue Length, Crowd Density, Fire, Temperature Exception Alarm	Face, Intrusion, Tripwire, Human & Vehicle, Sound, Rare Sound, Tripwire Count, Queue Length, Crowd Density, Fire, Temperature Exception Alarm	Face, Intrusion, Tripwire, Human & Vehicle, Sound, Rare Sound, Tripwire Count, Queue Length, Crowd Density, Fire, Temperature Exception Alarm	Face, Intrusion, Tripwire, Human & Vehicle, Sound, Rare Sound, Tripwire Count, Queue Length, Crowd Density, Fire, Temperature Exception Alarm
Audio Support	1 Input / 1 Output	1 Input / 1 Output	1 Input / 1 Output	1 Input / 1 Output
Alarm In/Out	1 Input / 1 Output	1 Input / 1 Output	1 Input / 1 Output	1 Input / 1 Output
MicroSD Storage	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)
Protection	IP67	IP67	IP67	IP67
Power	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V

Compatible Accessories

AVM-JB-BE-L1	AVM-JB-DUAL-UL1	AVM-CWM-EDV-L1
AVM-HWM-E-L1	AVM-HCM-E-L1	

AVM-JB-BE-S2	AVM-JB-BE-L1	AVM-JB-DUAL-UL1
AVM-HCM-E-L1		

Multi-Sensor Cameras

Model	AVC-NCMMS161F04	AVC-NCMS201M04	AVC-NCMS321M04	AVC-NPE81F2D
Special Features	360° Multi-Directional, InfiniteColor, AI, Compact Size	360° Multi-Directional, InfiniteColor, AI	360° Multi-Directional, InfiniteColor, AI	180° Stitched Panoramic View, Active Deterrence, 2-Way Audio, Siren, InfiniteColor, AI
Max. Resolution	16MP Multi-Lens (4 x 4MP) (2688x1520) @15fps	20MP Multi-Lens (4 x 5MP) (2880x1620) @30fps	32MP Multi-Lens (4 x 8MP) (3840x2160) @25fps	8MP (5120x1440) @15fps
Lens	4x 2.8mm Fixed, F1.2	4x 2.8-12mm Motorized Autofocus Lens, F1.3	4x 2.8-12mm Motorized Autofocus Lens, F1.3	2x 2.8mm Fixed, F1.2
Min. Illumination	Color: 0.005 Lux @ F1.2 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.005 lux @ F1.3 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.006 lux @ F1.2 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.001 lux @ F1.6 (AGC on) B/W: 0 lux (IR LED on)
Image Sensor	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/1.8" Progressive CMOS	1/2.7" Progressive Scan CMOS
Smart Analytics	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting
Audio Support	Built-in MIC / Built-in Speaker	1 Line-In (RCA) / 1 Line-Out (RCA)	1 Line-In (RCA) / 1 Line-Out (RCA)	Built-in MIC / Built-in Speaker
Alarm In/Out	1 Input / 1 Output	2 Inputs / 2 Outputs	2 Inputs / 2 Outputs	Built-in Red & Blue Flashing Lights
MicroSD Storage	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)
Protection	IP67, IK10	IP67, IK10	IP67, IK10	IP67
Power	PoE+(IEEE802.3at) / AC 24V / DC 12V	56V DC, 60W PoE+ Injector Included PoE+(IEEE802.3at) / AC 24V / DC 12V	56V DC, 60W PoE+ Injector Included PoE+(IEEE802.3at) / AC 24V / DC 12V	PoE (IEEE802.3af/at) / DC 12V

Compatible Accessories

 AVM-PT-CMT-PM-L1

 AVM-PT-TMT-T25

 AVM-JB-WMT-A1

 AVM-P-PWMT

 AVM-JB-BE-L1

 AVM-CRM-A1

 AVM-P-POM-A2

 AVM-JB-DUAL-UL1

 AVM-CWM-EDV-L1

 AVM-HWM-E-L1

 AVM-HCM-E-L1

PTZ Cameras

Model	AVC-NSZ21X25LW	AVC-NSZ51X25LW	AVC-NSZ81X25LW	AVC-NSZ51X33LW
Special Features	InfiniteStar, AI, Face Attributes	InfiniteStar, AI, Face Attributes	InfiniteStar, AI, Face Attributes	InfiniteStar, AI, Face Attributes
Max. Resolution	2MP (1920x1080) @30fps	5MP (2592 X 1944) @30fps	8MP (3840x2160) @30fps	5MP (2592 X 1944) @30fps
Lens	25X Optical (5-125mm) @ F1.6, H: 56.9°(W - 2.9°(T) V: 32.2°(W) - 1.6°(T) D: 65.2°(W) - 3.3°(T)	25X Optical (5-125mm) @ F1.6, H: 55.6°(W) - 8.1°(T) V: 42.2°(W) - 6.1°(T) D: 62.8°(W) - 10.2°(T)	25X Optical (5-125mm) @ F1.6, H: 59.9°(W) - 8.9°(T) V: 34.4°(W) - 4.8°(T) D: 67.1°(W) - 5.1°(T)	33X Optical (4.3-142mm) @ F1.6, H: 55°(W) - 2.3°(T) V: 41.6°(W) - 1.7°(T) D: 67.9°(W) - 2.8°(T)
Min. Illumination	Color: 0.002 lux @ F1.6 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.004 lux @ F1.6 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.007 lux @ F1.6 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.003 lux @ F1.6 (AGC on) B/W: 0 lux (IR LED on)
Image Sensor	1/2.8" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS
Smart Analytics	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting
Audio Support	1 Input / 1 Output	1 Input / 1 Output	1 Input / 1 Output	1 Input / 1 Output
Alarm In/Out	1 Input / 1 Output	1 Input / 1 Output	1 Input / 1 Output	1 Input / 1 Output
MicroSD Storage	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)
Protection	IP66	IP66	IP66	IP66
Power	PoE+ (IEEE802.3af/at) / DC 12V	PoE+ (IEEE802.3af/at) / DC 12V	PoE+ (IEEE802.3af/at) / DC 12V	PoE+ (IEEE802.3af/at) / DC 12V

Compatible Accessories

 AVM-JB-WMT-A1   AVM-PT-CMT-PM-L1   AVM-PT-TMT-T25   AVM-P-PWMT   AVM-CRM-A1   AVM-P-POM-A2

Model	AVC-NSZ41X04	AVC-NSZ81X04SPL	AVC-NSZ81X37LW
Special Features	InfiniteColor, AI, Face Attributes, 2-Way Audio, Compact Size	Active Deterrence, InfiniteStar, AI, Face Attributes, 2-Way Audio, Compact Size	Active Deterrence, InfiniteColor, AI, Face Attributes 2-Way Audio, Long Range PTZ
Max. Resolution	4MP (2560x1440) @60fps	8MP (3840x2160) @25fps	8MP (3840x2160) @30fps
Lens	4X Optical (2.8-12mm) @ F1.8 (W) - 3.3(T) H: 114.6°(W) - 48.3°(T) V: 59°(W) - 27.1°(T) D: 141.6°(W) - 55.5°(T)	4X Optical (2.8-12mm) @ F1.6 H: 113°(W) - 31.4°(T) V: 58.4°(W) - 17.6°(T) D: 138.6°(W) - 36°(T)	37X Optical (5.5-202mm) @ F1.6, H: 60°(W) - 2.31°(T) V: 35.5°(W) - 1.3°(T) D: 67.5°(W) - 2.65°(T)
Min. Illumination	Color: 0.001 lux @ F1.6 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.009 lux @ F1.6 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.0005 lux @ F1.6 (AGC on) B/W: 0 lux (IR LED on)
Image Sensor	1/1.8" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Smart Analytics	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting	Face, Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting
Audio Support	Built-in MIC / Built-in Speaker	Built-in MIC / Built-in Speaker	Built-in MIC / Built-in Speaker
Alarm In/Out	-	1 Input / 1 Output	1 Input / 1 Output
MicroSD Storage	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)
Protection	IP66, IK10	IP66	IP67, IK10
Power	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af) / DC 12V	PoE ++(IEEE802.3bt) / DC 12V / AC 24V

Compatible Accessories

AVM-JB-V-L1	AVM-CWM-EDV-L1	AVM-JB-WMT-A1 · AVM-PT-CMT-PM-L1 · AVM-PT-TMT-T25 · AVM-P-PWMT
AVM-HWM-V-L1	AVM-HCM-V-L1	AVM-CRM-A1 · AVM-P-POM-A2

180° & Fisheye Cameras

Model	AVC-NPE51F180	AVC-NPE81F180	AVC-NPB81F180	AVC-NF121F	AVC-NF121F-HD
Special Features	180° Panoramic View, Active Deterrence, 2-Way Audio, Siren, InfiniteColor, AI	180° Panoramic View, Active Deterrence, 2-Way Audio, Siren, InfiniteColor, AI	180° Panoramic View, Active Deterrence, 2-Way Audio, Siren, InfiniteColor, AI	360° Fisheye View, InfiniteStar, Fisheye Dewarping, 2-Way Audio, Siren	360° Fisheye View, InfiniteStar, Hardware Fisheye Dewarping, 2-Way Audio, Siren
Max. Resolution	5MP (2592x1944) @30fps	8MP (3840x2160) @20fps	8MP (3840x2160) @20fps	12MP (4000x3000) @15fps	12MP (3536x3536) @30fps
Lens	2.0mm Fixed, F2.4 Horizontal: 180° Vertical: 91° Diagonal: 180°	2.0mm Fixed, F2.4 Horizontal: 180° Vertical: 91° Diagonal: 180°	2.0mm Fixed, F2.4 Horizontal: 180° Vertical: 91° Diagonal: 180°	1.6mm Fixed, F2.0 Horizontal: 180° (Wall Mount), 360° (Ceiling Mount)	2.0mm Fixed, F2.8 Horizontal FOV: 180° (Wall Mount) 360° (Ceiling Mount)
Min. Illumination	Color: 0.007 lux @ F1.0 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.007 lux @ F1.0 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.007 lux @ F1.0 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.01 lux @ F1.6 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.009 lux @ F1.6 (AGC on) B/W: 0 lux (IR LED on)
Image Sensor	1/2.8" Progressive CMOS	1/2.8" Progressive CMOS	1/2.8" Progressive CMOS	1/2.3" Progressive CMOS	1/1.6" Progressive CMOS
Smart Analytics	Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, Rare Sound, Loitering, Region Entrance, Region Exiting	Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, Rare Sound, Loitering, Region Entrance, Region Exiting	Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, Rare Sound, Loitering, Region Entrance, Region Exiting	Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, Rare Sound, Loitering, Region Entrance, Region Exiting	Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, Rare Sound, Loitering, Region Entrance, Region Exiting
Audio Support	Built-in MIC / Built-in Speaker	Built-in MIC / Built-in Speaker	Built-in MIC / Built-in Speaker	Built-in MIC / Built-in Speaker	Built-in MIC / Built-in Speaker
Alarm In/Out	Built-in Red & Blue Flashing Lights	Built-in Red & Blue Flashing Lights	Built-in Red & Blue Flashing Lights	1 Input / 1 Output	1 Input / 1 Output
MicroSD Storage	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)	Micro SD/SDHC/SDXC Slot (512GB)
Protection	IP67	IP67	IP67	IP66	IP66
Power	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V

Compatible Accessories

AVM-JB-BE-S2

AVM-CWM-EV-S2

AVM-JB-BE-S2

AVM-JB-F-F1

AVM-HWM-E-S2

AVM-HCM-E-S2

AVM-HCM-E-S2

Doorbell Cameras & Solar Camera Solutions

Model	AVC-WDB51F21
Special Features	WiFi Doorbell, 2-Way Audio, Siren
Max. Resolution	5MP (1944x2592) @20fps
Lens	2.1mm Fixed, F2.0
Min. Illumination	B/W: 0 lux (IR LED on)
Image Sensor	1/2.7" Progressive Scan CMOS
Smart Analytics	Human Detection, Package Detection, Loitering Detection
Audio Support	Built-in MIC / Built-in Speaker
Alarm In/Out	Wireless Chime Kit Included
MicroSD Storage	Micro SD/SDHC/SDXC Slot (512GB)
Protection	IP65
Power	PoE (IEEE802.3af/at) / DC 12-24V / AC 16-24V

Model	AVC-SNDB41M-4G
Special Features	Solar Power, InfiniteColor, 2-Way Audio, AI, 4G LTE
Max. Resolution	4MP (2688x1520) @30fps
Lens	2.8-12mm Motorized, F1.1
Min. Illumination	Color: 0.0005 lux @F1.0 (AGC on) B/W: 0 lux (IR LED on)
Image Sensor	1/1.8" Progressive CMOS
Smart Analytics	Pedestrian & Vehicle, Intrusion, Tripwire, Stationary Object, Tripwire Count, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Loitering, Region Entrance, Region Exiting
Audio Support	Built-in MIC / Built-in Speaker
Alarm In/Out	1 Input / 1 Output
MicroSD Storage	Micro SD/SDHC/SDXC Slot (512GB)
Protection	IP67
Power	4-pin waterproof DC 3.5V connector

Battery	Rechargeable lithium battery
Capacity	8400mAh
Battery Quantity	4 units
Voltage	10.8V
Maximum Charging Voltage	12.6V
Coulomb Counter	Supported
Operating Time	AOV mode (low power mode) around 19 days during overcast weather
Operating Temperature	Charge : -4°F ~ 113°F (-20°C ~ 45°C) Discharge : -4°F ~ 140°F (-20°C ~ 60°C)

Included Accessories

CHIME KIT

WIRELESS CHIME

FLAT MOUNTING PLATE

TILT MOUNTING PLATE

WEDGE MOUNTING PLATE

Analog Cameras

Turret
2MP, 5MP, 8MP

TVI High Definition Turret cameras

Bullet
2MP, 5MP, 8MP

TVI High Definition Bullet cameras

Indoor Dome
2MP, 5MP, 8MP

TVI High Definition Dome cameras

Concise High-Definition Analog Cameras

AVYCON's comprehensive and versatile line of Analog High-Definition cameras delivers high-resolution surveillance across four core form factors: Turret, Bullet, Dome, and Vandal Dome. Designed for affordability and ease of use, this series supports all major video formats including CVI, AHD, and TVI, making dependable, high-quality surveillance accessible for a wide range of applications.

This collection of TVI cameras addresses diverse installation requirements through its variety of durable housing and consistent image quality. Every model consistently provides options for 2MP, 5MP, and 8MP resolution, allowing for a scalable and consistent approach to security system design. This focus on diverse physical designs and versatile resolution options makes the series suitable for reliable deployment in nearly any environment.

Vandal Dome
2MP, 5MP, 8MP

TVI High Definition Vandal Dome cameras

Full Color Series
2MP, 5MP, 8MP

TVI High Definition Turret Bullet Cameras

TE Turrets (2MP)

Model	AVC-TE21F28	AVC-TE21F36	AVC-TE21V
Special Features	HD Analog	HD Analog	HD Analog
Max. Resolution	2MP (1920x1080) @30fps	2MP (1920x1080) @30fps	2MP (1920x1080) @30fps
Lens	2.8mm Fixed	3.6mm Fixed	2.7-13.5mm Manual Varifocal
Min. Illumination	Color: 0.01 lux @ F1.2 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.01 lux @ F1.2 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.01 lux @ F1.2 (AGC on) B/W: 0 lux (IR LED on)
Supplemental Lighting	Smart IR Illumination Up to 66ft	Smart IR Illumination Up to 66ft	Smart IR Illumination Up to 115ft
WDR	-	-	-
Output	HD-TVI / AHD / CVI / CVBS	HD-TVI / AHD / CVI / CVBS	HD-TVI / AHD / CVI / CVBS
Audio Support	-	-	-
Protection	IP67	IP67	IP67
Power	DC 12V (±10%)	DC 12V (±10%)	DC 12V (±10%)

Compatible Accessories

AVM-JB-BE-S2

AVM-CWM-EV-S2

AVM-HWM-E-S2

AVM-HCM-E-S2

AVM-JB-BE-L1

AVM-CWM-EDV-L1

AVM-HWM-E-L1

AVM-HCM-E-L1

Model	AVC-TE51F28	AVC-TE51F36	AVC-TE51M	AVC-TLE51F28
Special Features	HD Analog	HD Analog	HD Analog	HD Analog
Max. Resolution	5MP (2592x1944) @30fps	5MP (2592x1944) @30fps	5MP (2592x1944) @30fps	5MP (2592x1944) @20fps
Lens	2.8mm Fixed	3.6mm Fixed	2.7-13.5mm Motorized	2.8mm Fixed
Min. Illumination	Color: 0.05 lux @ F1.2 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.05 lux @ F1.2 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.05 lux @ F1.2 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.03 lux @ F2.0 (AGC on) B/W: 0 lux (IR LED on)
Supplemental Lighting	Smart IR Illumination Up to 66ft	Smart IR Illumination Up to 66ft	Smart IR Illumination Up to 115ft	Smart IR Illumination Up to 65ft
WDR	DWDR	DWDR	DWDR	DWDR
Output	HD-TVI / AHD / CVI / CVBS	HD-TVI / AHD / CVI / CVBS	HD-TVI / AHD / CVI / CVBS	HD-TVI / AHD / CVI / CVBS
Audio Support	-	-	-	-
Protection	IP67	IP67	IP67	Indoor Only
Power	DC 12V (±10%)	DC 12V (±10%)	DC 12V (±10%)	DC 12V (±10%)

Compatible Accessories

AVM-JB-BE-S2

AVM-CWM-EV-S2

AVM-JB-BE-S2

AVM-HCM-E-S2

AVM-JB-BE-L1

AVM-CWM-EDV-L1

AVM-HWM-E-L1

AVM-HCM-E-L1

TE Turrets (8MP)

Model	AVC-TE81F28	AVC-TE81M
Special Features	HD Analog	HD Analog
Max. Resolution	8MP (3840x2160) @15fps, 30fps for CVBS	8MP (3840x2160) @15fps, 30fps for CVBS
Lens	2.8mm Fixed	2.7-13.5mm Motorized
Min. Illumination	Color: 0.05 lux @ F1.2 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.05 lux @ F1.2 (AGC on) B/W: 0 lux (IR LED on)
Supplemental Lighting	Smart IR Illumination Up to 66ft	Smart IR Illumination Up to 115ft
WDR	DWDR	DWDR
Output	HD-TVI / AHD / CVI / CVBS	HD-TVI / AHD / CVI / CVBS
Audio Support	-	-
Protection	IP67	IP67
Power	DC 12V (±10%)	DC 12V (±10%)

Compatible Accessories

AVM-JB-BE-S2

AVM-CWM-EV-S2

AVM-HWM-E-S2

AVM-HCM-E-S2

AVM-JB-BE-L1

AVM-CWM-EDV-L1

AVM-HWM-E-L1

AVM-HCM-E-L1

Model	AVC-TB21F28	AVC-TB22M
Special Features	HD Analog	HD Analog
Max. Resolution	2MP (1920x1080) @30fps	2MP (1920x1080) @30fps
Lens	2.8mm Fixed	2.7-13.5mm Motorized
Min. Illumination	Color: 0.01 lux @ F1.2 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.01 lux @ F1.0 (AGC on) B/W: 0 lux (IR LED on)
Supplemental Lighting	Smart IR Illumination Up to 66ft	Smart IR Illumination Up to 115ft
WDR	-	-
Output	HD-TVI / AHD / CVI / CVBS	HD-TVI / AHD / CVI / CVBS
Audio Support	-	-
Protection	IP67	IP67
Power	DC 12V (±10%)	DC 12V (±10%) & AC 24V

Compatible Accessories

AVM-JB-BE-S2   AVM-HCM-E-S2

AVM-JB-BE-S2   AVM-JB-BE-L1

AVM-HCM-E-L1

TB Bullets (5MP)

Model	AVC-TB51F28	AVC-TB52M	AVC-TBL52M50
Special Features	HD Analog	HD Analog	HD Analog, LPD
Max. Resolution	5MP (2592x1944) @20fps	5MP (2592x1944) @20fps	5MP (2688x1944) @30fps
Lens	2.8mm Fixed	2.7-13.5mm Motorized	6-50mm Motorized
Min. Illumination	Color: 0.05 lux @ F1.2 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.05 lux @ F1.2 (AGC on) B/W: 0 lux (IR LED on)	B/W: 0 lux (IR LED on)
Supplemental Lighting	Smart IR Illumination Up to 66ft	Smart IR Illumination Up to 115ft	Smart IR Illumination Up to 150ft
WDR	DWDR	DWDR	True WDR
Output	HD-TVI / AHD / CVI / CVBS	HD-TVI / AHD / CVI / CVBS	HD-TVI / AHD / CVI / CVBS
Audio Support	-	-	-
Protection	IP67	IP67	IP67
Power	DC 12V (±10%)	DC 12V (±10%) / AC 24V	DC 12V (±10%) / AC 24V

Compatible Accessories

AVM-JB-BE-S2	AVM-HCM-E-S2	AVM-JB-BE-S2 / AVM-JB-BE-L1 / AVM-HCM-E-L1	AVM-JB-BL-R1

Model	AVC-TB81F28	AVC-TB82M
Special Features	HD Analog	HD Analog
Max. Resolution	8MP (3840x2160) @15fps	8MP (3840x2160) @15fps
Lens	2.8mm Fixed	2.7-13.5mm Motorized
Min. Illumination	Color: 0.05 lux @ F1.2 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.05 lux @ F1.2 (AGC on) B/W: 0 lux (IR LED on)
Supplemental Lighting	Smart IR Illumination Up to 66ft	Smart IR Illumination Up to 115ft
WDR	DWDR	DWDR
Output	HD-TVI / AHD / CVI / CVBS	HD-TVI / AHD / CVI / CVBS
Audio Support	-	-
Protection	IP67	IP67
Power	DC 12V (±10%)	DC 12V (±10%) / AC 24V

Compatible Accessories

AVM-JB-BE-S2   AVM-HCM-E-S2

AVM-JB-BE-S2   AVM-JB-BE-L1

AVM-HCM-E-L1

TD Indoor Domes (2MP)

Model	AVC-TD21F28	AVC-TD22V	AVC-TD22M
Special Features	HD Analog	HD Analog	HD Analog
Max. Resolution	2MP (1920x1080) @30fps	2MP (1920x1080) @30fps	2MP (1920x1080) @30fps
Lens	2.8mm Fixed	2.7-13.5mm Manual Varifocal	2.7-13.5mm Motorized
Min. Illumination	Color: 0.01 lux @ F1.2 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.01 lux @ F1.0 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.01 lux @ F1.0 (AGC on) B/W: 0 lux (IR LED on)
Supplemental Lighting	Smart IR Illumination Up to 66ft	Smart IR Illumination Up to 115ft	Smart IR Illumination Up to 115ft
WDR	-	-	-
Output	HD-TVI / AHD / CVI / CVBS	HD-TVI / AHD / CVI / CVBS	HD-TVI / AHD / CVI / CVBS
Audio Support	-	-	-
Protection	-	-	-
Power	DC 12V (±10%)	DC 12V (±10%) / AC 24V	DC 12V (±10%) / AC 24V

Compatible Accessories

AVM-CWM-EDV-L1

Model	AVC-TD51F28	AVC-TD81F28	AVC-TD52M	AVC-TD82M
Special Features	HD Analog	HD Analog	HD Analog	HD Analog
Max. Resolution	5MP (2592x1944) @20fps	8MP (3840x2160) @15fps	5MP (2592x1944) @20fps	8MP (3840x2160) @15fps
Lens	2.8mm Fixed	2.8mm Fixed	2.7-13.5mm Motorized	2.7-13.5mm Motorized
Min. Illumination	Color: 0.05 lux @ F1.2 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.05 lux @ F1.2 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.05 lux @ F1.2 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.05 lux @ F1.2 (AGC on) B/W: 0 lux (IR LED on)
Supplemental Lighting	Smart IR Illumination Up to 66ft	Smart IR Illumination Up to 66ft	Smart IR Illumination Up to 115ft	Smart IR Illumination Up to 115ft
WDR	DWDR	DWDR	DWDR	DWDR
Output	HD-TVI / AHD / CVI / CVBS	HD-TVI / AHD / CVI / CVBS	HD-TVI / AHD / CVI / CVBS	HD-TVI / AHD / CVI / CVBS
Audio Support	-	-	-	-
Protection	-	-	-	-
Power	DC 12V (±10%)	DC 12V (±10%)	DC 12V (±10%) / AC 24V	DC 12V (±10%) / AC 24V

Compatible Accessories

AVM-CWM-EDV-L1

TV Vandal Domes (2MP)

Model	AVC-TV21F28	AVC-TV22V	AVC-TV22M
Special Features	HD Analog	HD Analog	HD Analog
Max. Resolution	2MP (1920x1080) @30fps	2MP (1920x1080) @30fps	2MP (1920x1080) @30fps
Lens	2.8mm Fixed	2.7-13.5mm Manual Varifocal	2.7-13.5mm Motorized
Min. Illumination	Color: 0.01 lux @ F1.2 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.01 lux @ F1.2 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.01 lux @ F1.0 (AGC on) B/W: 0 lux (IR LED on)
Supplemental Lighting	Smart IR Illumination Up to 65ft	Smart IR Illumination Up to 115ft	Smart IR Illumination Up to 115ft
WDR	DWDR	DWDR	DWDR
Output	HD-TVI / AHD / CVI / CVBS	HD-TVI / AHD / CVI / CVBS	HD-TVI / AHD / CVI / CVBS
Audio Support	-	-	-
Protection	IP67, IK10	IP67, IK10	IP67, IK10
Power	DC 12V (±10%)	DC 12V (±10%) / AC 24V	DC 12V (±10%) / AC 24V

Compatible Accessories

AVM-JB-V-S1   AVM-CWM-EV-S2

AVM-HWM-V-S1   AVM-HCM-V-S1   AVM-RM-V-S1

AVM-JB-V-L1   AVM-CWM-EDV-L1   AVM-HWM-V-L1

AVM-HCM-V-L1   AVM-RM-V-L1

Model	AVC-TV51F28	AVC-TV81F28	AVC-TV52M	AVC-TV82M
Special Features	HD Analog	HD Analog	HD Analog	HD Analog
Max. Resolution	5MP (2592x1944) @20fps	8MP (3840x2160) @15fps	5MP (2592x1944) @20fps	8MP (3840x2160) @15fps
Lens	2.8mm Fixed	2.8mm Fixed	2.7-13.5mm Motorized	2.7-13.5mm Motorized
Min. Illumination	Color: 0.05 lux @ F1.2 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.05 lux @ F1.2 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.05 lux @ F1.2 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.05 lux @ F1.2 (AGC on) B/W: 0 lux (IR LED on)
Supplemental Lighting	Smart IR Illumination Up to 66ft	Smart IR Illumination Up to 66ft	Smart IR Illumination Up to 115ft	Smart IR Illumination Up to 115ft
WDR	DWDR	DWDR	DWDR	DWDR
Output	HD-TVI / AHD / CVI / CVBS	HD-TVI / AHD / CVI / CVBS	HD-TVI / AHD / CVI / CVBS	HD-TVI / AHD / CVI / CVBS
Audio Support	-	-	-	-
Protection	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10
Power	DC 12V (±10%)	DC 12V (±10%)	DC 12V (±10%) / AC 24V	DC 12V (±10%) / AC 24V

Compatible Accessories

AVM-JB-V-S1   AVM-CWM-EV-S2   AVM-HWM-V-S1

AVM-HCM-V-S1   AVM-RM-V-S1

AVM-JB-V-L1   AVM-CWM-EDV-L1   AVM-HWM-V-L1

AVM-HCM-V-L1   AVM-RM-V-L1

TC Turrets

Model	AVC-TCE21F28	AVC-TCE51F28	AVC-TCE81F28	AVC-TMT51F28
Special Features	InfiniteColor, HD Analog	InfiniteColor, HD Analog	InfiniteColor, HD Analog	InfiniteColor, HD Analog
Max. Resolution	2MP (1920x1080) @30fps	5MP (2592x1944) @20fps	8MP (3840x2160) @15fps	5MP (2592x1944) @20fps
Lens	2.8mm Fixed	2.8mm Fixed	2.8mm Fixed	2.8mm Fixed
Min. Illumination	Color: 0.05 lux @ F1.2 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.05 lux @ F1.2 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.05 lux @ F1.2 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.03 lux @ F2.0 (AGC on) B/W: 0 lux (IR LED on)
Supplemental Lighting	Smart IR Illumination Up to 98ft	Smart IR Illumination Up to 98ft	Smart IR Illumination Up to 98ft	Smart IR Illumination Up to 65.6ft
WDR	-	-	-	DWDR
Output	HD-TVI / AHD / CVI / CVBS	HD-TVI / AHD / CVI / CVBS	HD-TVI / AHD / CVI / CVBS	HD-TVI / AHD / CVI / CVBS
Audio Support	Audio over coaxial	Audio over coaxial	Audio over coaxial	Audio over coaxial
Protection	IP67	IP67	IP67	IP67
Power	DC 12V (±10%)	DC 12V (±10%)	DC 12V (±10%)	DC 12V (±10%)

Compatible Accessories

AVM-JB-BE-S2   AVM-CWM-EV-S2   AVM-HWM-E-S2   AVM-HCM-E-S2   AVM-JB-EVO-T1

Model	AVC-TCB21F28	AVC-TCB51F28	AVC-TCB81F28
Special Features	InfiniteColor, HD Analog	InfiniteColor, HD Analog	InfiniteColor, HD Analog
Max. Resolution	2MP (1920x1080) @30fps	5MP (2592x1944) @20fps	8MP (3840x2160) @15fps
Lens	2.8mm Fixed	2.8mm Fixed	2.8 Fixed
Min. Illumination	Color: 0.05 lux @ F1.2 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.05 lux @ F1.2 (AGC on) B/W: 0 lux (IR LED on)	Color: 0.05 lux @ F1.2 (AGC on) B/W: 0 lux (IR LED on)
Supplemental Lighting	Smart IR Illumination Up to 98ft	Smart IR Illumination Up to 98ft	Smart IR Illumination Up to 98ft
WDR	-	-	-
Output	HD-TVI / AHD / CVI / CVBS	HD-TVI / AHD / CVI / CVBS	HD-TVI / AHD / CVI / CVBS
Audio Support	Audio over coaxial	Audio over coaxial	Audio over coaxial
Protection	IP67	IP67	IP67
Power	DC 12V (±10%)	DC 12V (±10%)	DC 12V (±10%)

Compatible Accessories AVM-JB-BE-S2   AVM-HCM-E-S2

Network Cameras

Specialty Cameras

Analog Cameras

NVR / DVR

Network Solutions

IP Speakers

Testers

NVR/DVR

High-Performance NVR/DVR Systems

AVYCON's NVR/DVR seamlessly supports both network and analog surveillance. NVR simplify IP camera installations with built-in PoE ports and advanced Dual NIC networking for robust connectivity. DVR deliver high-resolution analog recording up to 5MP Lite and 8MP (4K) resolution for superior clarity and performance.

This recorder portfolio provides flexible solutions for both network and analog security systems. Network Video Recorders (NVRs) simplify IP camera installations with models featuring onboard PoE for power and data, while others offer Dual NICs for enhanced network management and high-throughput applications. For analog systems, Digital Video Recorders (DVRs) are designed to support high-resolution formats, including economical options with 5MP Lite resolution and premium models capable of full 8MP recording. This comprehensive lineup is engineered to meet industry standards, ensuring reliable and compliant performance across diverse installation environments.

PoE NVR

Network Video Recorder with built-in PoE ports

Dual NIC NVR

Network Video Recorder with Dual Network Ports

5MP DVR

Hybrid Video Recorder supporting 5MP Lite resolution

8MP DVR

Digital Video Recorder supporting 8MP resolution

Model	AVR-NSV04P4	AVR- NSV08P8	AVR- NSV16P16	AVR- NSV32P16
Video Input Bandwidth	4 Channels @ In 50 Mbps / Out 64 Mbps	8 Channels @ In 128 Mbps / Out 128 Mbps	16 Channels @ In 112 Mbps / Out 96 Mbps	32 Channels @ In 640 Mbps / Out 640 Mbps
Video Output	1x HDMI up to 4K (3840x2160) 1x VGA up to 1080p (1920x1080)	1x HDMI up to 4K (3840x2160) 1x VGA up to 1080p (1920x1080)	1x HDMI up to 4K (3840x2160) 1x VGA up to 1080p (1920x1080)	HDMI 1 up to 4K (3840x2160) HDMI 2 up to 1440p (2560x1440)
Max Recording Resolution	Up to 12MP resolution for preview and playback	Up to 12MP resolution for preview and playback	Up to 12MP resolution for preview and playback	Up to 12MP resolution for preview and playback
Decoding Format	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Decoding Capability	Max 4CH playback	Max 8CH playback	Max 16CH playback	Max 16CH playback
Special Features	Camera AI Analytics Supported	Camera AI Analytics Supported	Camera AI Analytics Supported	Camera AI Analytics Supported
Audio Support	1 IN / 1 OUT	1 IN / 1 OUT	1 IN / 1 OUT	1 IN / 1 OUT
Alarm Channels (In/Out)	4 IN / 1 OUT	8 IN / 1 OUT	8 IN / 1 OUT	16 IN / 1 OUT
Built-in PoE	4 x RJ45, 802.3at/af	8 x RJ45, 802.3at/af	16 x RJ45, 802.3at/af	16 x RJ45, 802.3at/af
Bandwidth, Connector	1 x RJ45 10/100/1000 Base-T	1 x RJ45 10/100/1000 Base-T	1 x RJ45 10/100/1000 Base-T	2 x RJ45 10/100/1000 Base-T
Storage	1 x SATA, Max 16TB HDD	1 x SATA, Max 16TB HDD	2 x SATA, Max 32TB (compatible up to 16TB HDD each SATA)	4 x SATA, Max 80TB (compatible up to 20TB HDD each SATA)
Backup	1 x USB 2.0 (Front Panel) 1 x USB 3.0 (Rear Panel)	1 x USB 2.0 (Front Panel) 1 x USB 3.0 (Rear Panel)	1 x USB 2.0 (Front Panel) 1 x USB 3.0 (Rear Panel)	1 x USB 2.0 (Front Panel) 2 x USB 3.0 (Rear Panel) e-SATA
Dimensions (W x D x H)	11.81" × 8.22" × 1.77" (300mm x 209mm x 45mm)	11.81" × 8.22" × 1.77" (300mm x 209mm x 45mm)	11.81" x 8.94" x 2.09" (300mm x 227mm x 53mm)	14.89" x 12.84" x 2.57" (378mm x 326.1mm x 65.3mm)

Dual NIC NVR
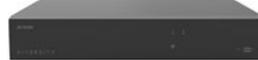
Model	AVR- NSV16E2N	AVR- NSV32E2N	AVR- NSV64E2N	AVR- NSV256E2N
Video Input Bandwidth	16 Channels @ In 256 Mbps / Out 128 Mbps	32 Channels @ In 256 Mbps / Out 128 Mbps	64 Channels @ In 640 Mbps / Out 640 Mbps	256 Channels @ In 1024 Mbps / Out 800 Mbps
Video Output	HDMI 1 up to 4K (3840x2160) HDMI 2 up to 1440p (2560x1440)	HDMI 1 up to 4K (3840x2160) HDMI 2 up to 1440p (2560x1440)	HDMI 1 up to 8K (7680x4320) HDMI 2 up to 8K (7680x4320) HDMI 3 up to 8K (7680x4320) HDMI 4 up to 1080p (1920x1080)	HDMI 1 up to 8K (7680x4320) HDMI 2 up to 8K (7680x4320) HDMI 3 up to 8K (7680x4320) HDMI 4 up to 1080p (1920x1080)
Max Recording Resolution	Up to 12MP resolution for preview and playback	Up to 12MP resolution for preview and playback	Up to 12MP resolution for preview and playback	Up to 12MP resolution for preview and playback
Decoding Format	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Decoding Capability	Max 16CH playback	Max 16CH playback	Max 16CH playback	Max 16CH playback
Special Features	Camera AI Analytics Supported	Camera AI Analytics Supported	Camera AI Analytics Supported	Camera AI Analytics Supported
Audio Support	1 IN / 1 OUT	1 IN / 1 OUT	1 IN / 1 OUT	1 IN / 1 OUT
Alarm Channels (In/Out)	16 IN / 1 OUT	16 IN / 1 OUT	16 IN / 4 OUT	16 IN / 4 OUT
Built-in PoE	-	-	-	-
Bandwidth, Connector	2 x RJ45 10/100/1000 Base-T	2 x RJ45 10/100/1000 Base-T	2 x RJ45 10/100/1000 Base-T	2 x RJ45 10/100/1000 Base-T
Storage	2 x SATA, Max 40TB (compatible up to 20TB HDD each SATA)	4 x SATA, Max 80TB (compatible up to 20TB HDD each SATA)	8 x SATA, Max 160TB (compatible up to 20TB HDD each SATA) RAID	16 x SATA, Max 320TB (compatible up to 20TB HDD each SATA) RAID
Backup	2 x USB 2.0 (1 Front Panel, 1 Rear Panel) 1 x USB 3.0 (1 Rear Panel) e-SATA	2 x USB 2.0 (1 Front Panel, 1 Rear Panel) 1 x USB 3.0 (1 Rear Panel) e-SATA	1 x USB 2.0 (Front Panel) 2 x USB 3.0 (Rear Panel) e-SATA	1 x USB 2.0 (Front Panel) 2 x USB 3.0 (Rear Panel) e-SATA
Dimensions (W x D x H)	14.88" × 12.48" × 1.97" (378mm x 317mm x 50mm)	14.88" × 12.83" × 2.60" (378mm x 326mm x 66mm)	17.32" x 18.10" x 3.5" (440mm x 460mm x 89mm)	17.28" x 18.35" x 5.87" (430mm x 466.10mm x 149mm)
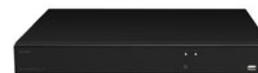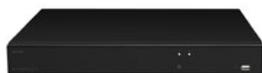
Model	AVR-DSV504H	AVR-DSV508H	AVR-DSV516H	AVR-DSV532H
Smart Analytics by DVR Featuring	Intrusion, Tripwire, Human & Vehicle, Sound	Intrusion, Tripwire, Human & Vehicle, Sound	-	Face, Intrusion, Tripwire, Human & Vehicle, Sound
Analog Video Input	4 Channels (TVI / AHD / CVI / CVBS) up to 5MP	8 Channels (TVI / AHD / CVI / CVBS) up to 5MP	16 Channels (TVI / AHD / CVI / CVBS) up to 5MP	32 Channels (TVI / AHD / CVI / CVBS) up to 5MP
Analog Record Rate	5MP Lite @ 20fps / 4MP / 1080P / 960P / 720P	5MP Lite @ 20fps / 4MP / 1080P / 960P / 720P	5MP Lite @ 20fps / 4MP / 1080P / 960P / 720P	5MP Lite @ 20fps / 4MP / 1080P / 960P / 720P
IPC Input	2 Channels up to 5MP (only IP up to 6CH)	4 Channels up to 5MP (only IP up to 12CH)	4 Channels up to 5MP (only IP up to 20CH)	4 Channels up to 5MP (no analog to IP conversion allowed)
Total IP Bandwidth	Incoming Bandwidth: 24Mbps Outgoing Bandwidth: 48Mbps	Incoming Bandwidth: 48Mbps Outgoing Bandwidth: 64Mbps	Incoming Bandwidth: 80Mbps Outgoing Bandwidth: 96Mbps	Incoming Bandwidth: 16Mbps Outgoing Bandwidth: 16Mbps
Decoding Format	H.265/H.264	H.265/H.264	H.265/H.264	H.265/H.264
Video Output	1x HDMI up to 4K (3840x2160) 1x VGA up to 1080p (1920x1080) 1x BNC up to 704x576	1x HDMI up to 4K (3840x2160) 1x VGA up to 1080p (1920x1080) 1x BNC up to 704x576	1x HDMI up to 4K (3840x2160) 1x VGA up to 1080p (1920x1080) 1x BNC up to 704x576	1x HDMI up to 4K (3840x2160) 1x VGA up to 1080p (1920x1080) 1x BNC up to 704x576
Playback Channel	Max 8CH playback	Max 8CH playback	Max 8CH playback	Max 16CH playback
Audio Support	4 IN / 1 OUT	8 IN / 1 OUT	16 IN / 1 OUT	8 IN / 1 OUT
Alarm Channels (In/Out)	4 IN / 1 OUT	8 IN / 1 OUT	16 IN / 1 OUT	16 IN / 1 OUT
Bandwidth, Connector	1 x RJ45 100/1000 Base-T	1 x RJ45 100/1000 Base-T	1 x RJ45 100/1000 Base-T	2 x RJ45 100/1000 Base-T
Storage	1 x SATA, Max 16TB HDD	1 x SATA, Max 16TB HDD	2 x SATA, Max 32TB (compatible up to 16TB HDD each SATA)	4 x SATA, Max 64TB (compatible up to 16TB HDD each SATA)
USB	1 x USB 2.0 (Front Panel) 1 x USB 2.0 (Rear Panel)	1 x USB 2.0 (Front Panel) 1 x USB 2.0 (Rear Panel)	1 x USB 2.0 (Front Panel) 1 x USB 3.0 (Rear Panel)	1 x USB 2.0 (Front Panel) 1 x USB 3.0 (Rear Panel)
PTZ Control	RS485	RS485	RS485	RS485
Dimensions (W x D x H)	11.81" × 8.94" × 2.09" (300mm x 227mm x 53mm)	11.81" × 8.94" × 2.09" (300mm x 227mm x 53mm)	14.84" x 12.4" x 1.69" (377mm x 315mm x 43mm)	14.88" x 13.30" x 2.68" (378mm x 337.7mm x 68mm)

8MP DVR

Model	AVR- DSV804H	AVR- DSV808H	AVR- DSV816H
Smart Analytics by DVR Featuring	Intrusion, Tripwire, Human & Vehicle, Sound	Intrusion, Tripwire, Sound	Face, Intrusion, Tripwire, Human & Vehicle, Sound
Analog Video Input	4 Channels (TVI / AHD / CVI / CVBS) up to 8MP	8 Channels (TVI / AHD / CVI / CVBS) up to 8MP	16 Channels (TVI / AHD / CVI / CVBS) up to 8MP
Analog Record Rate	8MP @ 15fps / 5MP Lite @ 20fps / 4MP / 1080P / 960P / 720P	8MP @ 15fps / 5MP Lite @ 20fps / 4MP / 1080P / 960P / 720P	8MP @ 15fps / 5MP Lite @ 20fps / 4MP / 1080P / 960P / 720P
IPC Input	2 Channels up to 8MP (only IP up to 6CH)	4 Channels up to 8MP (only IP up to 12CH)	8 Channels up to 8MP (only IP up to 24CH)
Total IP Bandwidth	Incoming Bandwidth: 36Mbps Outgoing Bandwidth: 48Mbps	Incoming Bandwidth: 72Mbps Outgoing Bandwidth: 72Mbps	Incoming Bandwidth: 192Mbps Outgoing Bandwidth: 192Mbps
Decoding Format	H.265/H.264	H.265/H.264	H.265/H.264
Video Output	1x HDMI up to 4K (3840x2160) 1x VGA up to 1080p (1920x1080) 1x BNC up to 704x576	1x HDMI up to 4K (3840x2160) 1x VGA up to 1080p (1920x1080) 1x BNC up to 704x576	1x HDMI up to 4K (3840x2160) 1x VGA up to 1080p (1920x1080) 1x BNC up to 704x576
Playback Channel	Max 8CH playback	Max 8CH playback	Max 16CH playback
Audio Support	4 IN / 1 OUT	8 IN / 1 OUT	16 CH / 1 OUT
Alarm Channels (In/Out)	4 IN / 1 OUT	8 IN / 1 OUT	16 CH / 1 OUT
Bandwidth, Connector	1 x RJ45 100/1000 Base-T	1 x RJ45 100/1000 Base-T	1 x RJ45 100/1000 Base-T
Storage	1 x SATA, Max 16TB HDD	1 x SATA, Max 16TB HDD	2 x SATA, Max 32TB (compatible up to 16TB HDD each SATA)
USB	1 x USB 2.0 (Front Panel) 1 x USB 3.0 (Rear Panel)	1 x USB 2.0 (Front Panel) 1 x USB 2.0 (Rear Panel)	1 x USB 2.0 (Front Panel) 1 x USB 3.0 (Rear Panel)
PTZ Control	RS485	RS485	RS485
Dimensions (W x D x H)	11.81" × 8.94" × 2.09" (300mm x 227mm x 53mm)	11.81" × 8.94" × 2.09" (300mm x 227mm x 53mm)	14.84" x 12.4" x 1.69" (377mm x 315mm x 43mm)

Network Solutions

Versatile High-Performance Networking Solutions

AVYCON's networking collection delivers versatile, high-performance solutions for any environment, including 100 Mbps PoE switches, Gigabit PoE models, and long-range wireless network bridges. Designed for seamless integration and effortless scalability, it ensures robust performance across all surveillance and enterprise networks.

Build a complete, reliable network with our full range of connectivity solutions. Choose cost-effective 100 Mbps PoE injectors, high-speed indoor Gigabit PoE switches with RJ-45 uplinks for seamless integration, or rugged outdoor and industrial-grade PoE switches designed for harsh environments. We also offer standard non-PoE switches and PoE-powered Wi-Fi CPE bridges to extend wireless networks and simplify remote deployments.

Network Cameras

Specialty Cameras

Analog Cameras

NVR / DVR

Network Solutions

IP Speakers

Testers

Wireless Bridges

Wireless bridges with PoE Output

Value PoE Switches

Value 10/100Mbps PoE Switches

Enterprise PoE Switches

Enterprise Gigabit PoE Switches with Uplink

Outdoor & Industrial PoE Switches

Outdoor and Industrial grade PoE Switches

Network Switches

Standard Switches

Wireless Bridges

Model	ANCP3005Q	ANCP9005GQ
CPU	Qualcomm AR9344 560Mhz RAM: DDR2 64MB Flash: 16MB PA: SE2576L	QCA9563+QCA9886+QCA8337 RAM: DDR 128MB Flash: 16MB PA: SKY85735-1
Antenna	Integrated Dual 14 dBi Antennas	Integrated Dual 14 dBi Antennas
Wi-Fi Standards	IEEE802.11a/an	IEEE802.11a/an/ac
RF Frequency	5.180Ghz - 5.825Ghz	5.180GHz - 5.825GHz
Bandwidth	300Mbps	867Mbps
Physical Ports and Buttons	1 x 10/100 Mbps WAN RJ45 Port 1 x 10/100 Mbps LAN RJ45 Port 1 x Toggle switch for PoE output for IPC 1 x Reset Button	1 x 10/100/1000 Mbps WAN RJ45 Port 1 x 10/100/1000 Mbps LAN RJ45 Port 1 x Toggle switch for PoE output for IPC 1 x Reset Button
Ingress Protection	IP66	IP65; 2KV Lightning Protection
Power	PoE 802.3at/af, 48V PoE Power Adapter	PoE 802.3af, 48V PoE Power Adapter
Power Consumption	Less than 8W	Less than 8W
Dimensions	10.3" x 3.2" x 2.1" (262mm x 80mm x 53mm)	10.3" x 3.2" x 2.1" (262mm x 80mm x 53mm)
Net Weight	0.7lbs (317.5g)	0.7lbs (317.5g)

Model	AVN-E04-2P04W65	AVN-E08-2P08W120	AVN-E16-2P16W250
Total Power	65W	120W	250W
PoE Port	4 x 10/100 Base-TX PoE RJ45 ports	8 x 10/100 Base-TX PoE RJ45 ports	16 x 10/100 Base-TX PoE RJ45 ports
Uplink Port	2 x 10/100 Base-TX uplink RJ45 ports	2 x 10/100 Base-TX uplink RJ45 ports	2 x 10/100/1000 Base-T uplink RJ45 ports
PoE Standard	IEEE802.3af, IEEE802.3at (Max 30W)	IEEE802.3af, IEEE802.3at (Max 30W)	IEEE802.3af, IEEE802.3at (Max 30W)
Input Voltage	AC 100-240V 50-60Hz, 1.0A	AC 100-240V 50-60Hz, 2.2A	AC 100-240V 50-60Hz, 4.1A
Switching Capacity	1.6Gbps	2Gbps	14.8Gbps

Enterprise PoE Switches

Model	AVN-S05-1P04W65G	AVN-S06-2P1U04W90G	AVN-S08-0P04W65G	AVN-S09-1P08W135G
Total Power	65W	96W	65W	135W
PoE Port	4 x 10/100/1000 Base-TX RJ45 ports	4 x 10/100/1000 Base-TX RJ45 ports (Port 1 can supply up to 60W max)	4 x 10/100/1000 Base-TX RJ45 ports	8 x 10/100/1000 Base-TX RJ45 ports
Uplink Port/ SFP Port	1 x 10/100/1000 Base-TX uplink RJ45 ports	2 x 10/100/1000 Base-TX uplink RJ45 ports	4 x 10/100/1000 Base-TX uplink RJ45 ports	1 x 10/100/1000 Base-TX uplink RJ45 ports
PoE Standard	IEEE802.3af, IEEE802.3at (Max 30W)	IEEE802.3af, IEEE802.3at (Max 30W)	IEEE802.3af, IEEE802.3at (Max 30W)	IEEE802.3af, IEEE802.3at (Max 30W)
Input Voltage	AC 100-240V 50-60Hz (for Power Adapter), DC 48V (for Switch)	AC 100-240V 50-60Hz	AC 100-240V 50-60Hz	AC 100-240V 50-60Hz
Switching Capacity	10Gbps	12Gbps	18Gbps	18Gbps

Model	AVN-S16-2P16W270G	AVN-S16-2P16W270G-SP	AVN-S24-2P24W400G	AVN-S24-2P24W400G-SP
Total Power	270W	270W	400W	400W
PoE Port	16 x 10/100/1000 Base-TX RJ45 ports	16 x 10/100/1000 Base-TX RJ45 ports (Individual Surge Protection)	24 x 10/100/1000 Base-TX RJ45 ports	24 x 10/100/1000 Base-TX RJ45 ports (Individual Surge Protection)
Uplink Port/ SFP Port	2 x 1000Mbps SFP Ports	2 x 1000Mbps SFP Ports	2 x 1000Mbps SFP Ports	2 x 1000Mbps SFP Ports
PoE Standard	IEEE802.3af, IEEE802.3at (Max 30W)	IEEE802.3af, IEEE802.3at (Max 30W)	IEEE802.3af, IEEE802.3at (Max 30W)	IEEE802.3af, IEEE802.3at (Max 30W)
Input Voltage	AC 100-240V 50-60Hz	AC 100-240V 50-60Hz	AC 100-240V 50-60Hz	AC 100-240V 50-60Hz
Switching Capacity	36Gbps	36Gbps	52Gbps	52Gbps

Outdoor & Industrial PoE Switches

Model	AVN-W06-2P04W65G	AVN-W10-2P08W96G	AVN-I6-2P04G	AVN-I10-2P08G
Total Power	60W	96W	125W	125W
PoE Port	4 x 10/100 Base-TX RJ45 ports	8 x 10/100/1000 Base-TX RJ45 ports	4 x 10/100/1000 Base-TX RJ45 ports	8 x 10/100/1000 Base-TX RJ45 ports
SFP Port	2 x 1000Mbps SFP Ports	2 x 1000Mbps SFP Ports	2 x 1000Mbps SFP Ports	2 x 1000Mbps SFP Ports
PoE Standard	IEEE802.3af, IEEE802.3at (Max 30W)	IEEE802.3af, IEEE802.3at (Max 30W)	IEEE802.3af, IEEE802.3at (Max 30W)	IEEE802.3af, IEEE802.3at (Max 30W)
Input Voltage	AC 100-240V 50-60Hz	AC 100-240V 50-60Hz	AC 100-240V 50-60Hz	AC 100-240V 50-60Hz
Switching Capacity	4.8Gbps	20Gbps	12Gbps	12Gbps

Model	AVN-S05-1E04G	AVN-S08-0E08G	AVN-S16-2P16G	AVN-S24-16P08G	AVN-S24-2P24G
Fixed Ports	5 x 10/100/1000 Base-TX ports	8 x 10/100/1000 Base-TX ports	16 x 10/100/1000 Base-TX ports	8 x 10/100/1000 Base-TX ports	16 x 10/100/1000 Base-TX ports
SFP Port	2 x Gigabit Combo Ports (SFP + RJ45)	-	2 x 1000Mbps SFP Ports	16 x 1000Mbps SFP ports	2 x 1000Mbps SFP Ports
Network Media	10BASE-TX: UTP category 5, 5e cable (≤250m) 100BASE-TX: UTP category 5, 5e cable (≤150m) 1000BASE-TX: UTP category 5, 5e cable (≤150m)	10BASE-TX: UTP category 5, 5e cable (≤250m) 100BASE-TX: UTP category 5, 5e cable (≤150m) 1000BASE-TX: UTP category 5, 5e cable (≤150m)	10 BASE-TX: UTP category 5, 5e cable (≤250m) 100 BASE-TX: UTP category 5, 5e cable (≤150m) 1000 BASE-TX: UTP category 5, 5e cable (≤150m) Uplink Fiber Port: Single Fiber 20km, Double Fiber: 20km	10BASE-TX: UTP category 5, 5e cable (≤250m) 100BASE-TX: UTP category 5, 5e cable (≤150m) 1000BASE-TX: UTP category 5, 5e cable (≤150m) Uplink Fiber Port: Single Fiber 20km, Double Fiber: 20km	10BASE-TX: UTP category 5, 5e cable (≤250m) 100BASE-TX: UTP category 5, 5e cable (≤150m) 1000BASE-TX: UTP category 5, 5e cable (≤150m) Uplink Fiber Port: Single Fiber 20km, Double Fiber: 20km
Input Voltage	AC 100-240V 50-60Hz	AC 100-240V 50-60Hz	AC 100-240V 50-60Hz	AC 100-240V 50-60Hz	AC 100-240V 50-60Hz
Switching Capacity	10Gbps	16Gbps	36Gbps	64Gbps	52Gbps

Network Cameras

Specialty Cameras

Analog Cameras

NVR / DVR

Network Solutions

IP Speakers

Testers

IP Speakers

Advanced SIP/ONVIF Network Speaker

The AVS-IPHS series is a robust, all-in-one smart IP speaker designed for clear, powerful, and versatile audio delivery in any environment. It features PoE support, crystal-clear DSP sound, and an IP66-rated waterproof design for seamless integration with SIP and ONVIF-based security systems.

The AVYCON IP Speaker is an advanced, all-in-one smart audio solution designed for clear, powerful delivery in any environment with its IP67 waterproof design and Power over Ethernet (PoE) support. Its built-in Digital Signal Processor (DSP) ensures crystal-clear audio. The speaker integrates seamlessly with your security infrastructure via ONVIF and SIP, enabling it to broadcast alarms and security messages for effective deterrence.

Model	AVS-IPHS15W	AVS-IPHS15WM	AVS-IPHS30WM
Max Sound Pressure Level (SPL)	113dB	113dB	120dB
Built-in Microphone	-	Yes	Yes
Network Protocol	SIP, ONVIF, HTTP, IPv4, DHCP, RTSP, RTP, RTCP, TCP, UDP, ARP, FTP, TFTP, NFS, NTP	SIP, ONVIF, HTTP, IPv4, DHCP, RTSP, RTP, RTCP, TCP, UDP, ARP, FTP, TFTP, NFS, NTP	SIP, ONVIF, HTTP, IPv4, DHCP, RTSP, RTP, RTCP, TCP, UDP, ARP, FTP, TFTP, NFS, NTP
Signal to Noise Ratio (SNR)	91dB	91dB	91dB
Amplifier	Built-in 15W Amplifier	Built-in 15W Amplifier	Built-in 30W Amplifier
Protection	IP67	IP66	IP66
Power Supply	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V	PoE (IEEE802.3af/at) / DC 12V

Network Cameras

Specialty Cameras

Analog Cameras

NVR / DVR

Network Solutions

IP Speakers

Testers

Testers

Professional All-In-One CCTV Camera Tester

The AIVO camera tester is a comprehensive all-in-one CCTV tester, providing simultaneous support for 8MP HD Analog and 4K IP camera testing alongside essential power, cable, and digital multimeter troubleshooting tools.

The AIVO camera tester is a professional, all-in-one tester designed to streamline CCTV installation and troubleshooting across all major formats. This robust tool simplifies IP surveillance setup using its IP Discovery Tool to rapidly detect and scan connected IP cameras, while the ONVIF Tool provides comprehensive testing for any ONVIF compliant cameras. Beyond IP, it supports HD Analog testing up to 8MP (HD-CVI/HD-TVI/AHD) and includes essential features like PoE power output, cable length and quality testing, and a built-in digital multimeter, consolidating numerous field instruments into a single, high-resolution device.

AIVO-54T4K

AIVO-70A8KM

Model	AIVO-54T4K	AIVO-70A8KM
Display	5.4" Touch Screen (1920x1152)	7" Touch Screen (1920x1200)
IPC Formats	H.265/H.264	H.265/H.264
Network Port	1 x RJ45 10/100/1000M	2 x RJ45 10/100/1000M
Wi-Fi	Built-in WiFi (150Mb/s), Wi-Fi hotspot for IPC tethering	Built-in WiFi (150Mb/s at 2.4Ghz & 433Mb/s at 5.8Ghz), Wi-Fi hotspot for IPC tethering
Analog Camera I/O	1 x BNC Input, 1 x BNC Output	1 x BNC Input, 1 x BNC Output
Video Input	HDMI Input up to 4K @ 30fps, VGA Input up to 1920x1200 @ 60fps	HDMI Input up to 4K @ 30fps, VGA up to 1920x1200 @ 60fps
Video Output	HDMI Output up to 4K @ 30fps	HDMI Output up to 4K @ 30fps
PoE Output	802.3af/at (Max 25.5W)	802.3af/at (Max 25.5W)
DC Output	DC 12V / 3A	DC 12V / 3A, DC 24V / 2A
PoE/PSE Voltage Test	-	Measures PoE switch/injector voltage and displays pin configuration
Digital Multi-Meter	-	Included
Advanced Networking Tools	-	WiFi Tool, Link Tool, Full Duplex Detection, Ping, IP Scan, DHCP Server, PPPoE, OUI Mac Address Search, Socket Tool, DNS, LLLDP
Cable Test	UTP Cable Testing	UTP Cable Testing, RJ45 TDR and cable quality test
Battery	Built-in 7.4V Lithium ion battery, 3350 mAh	Built-in 7.4V Lithium ion battery, 7800 mAh
Power Supply	DC 12V / 1A	DC 12V / 1A
Battery Life	Up to 6 hours in full operation	Up to 16 hours in full operation
Dimensions	7.20" x 4.33" x 1.44" (183mm x 110mm x 36.5mm)	9.44" x 6.06" x 1.81" (240mm x 154mm x 46mm)
Weight	11.2oz (320g)	1.37lbs (620g)

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