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GSA Contract Holder # GS-35F-0470Y

Focus • Agility • Competitiveness





Video Surveillance and Real-Time Monitoring



Introduction

The evolution of Intelligent Devices and how they will impact our lives has become one of the primary topics of discussion in the world of technology. As the standards and technologies mature, we see more and more applications become candidates for an "intelligent" facelift, while existing applications build on their strengths for more sophisticated features that were once deemed "impossible" to accomplish.

With the rapid development of information technology, the collection of and access to a large volume of video data emerges, and with it, comes the demand for a new generation of hardware solutions that provide immediate access to that information.

These devices not only incorporate the latest technological trends (eg. HD video processing and analytics), but can also offer complimentary functionality, such as hot-swappable hard disks, all while functioning in harsh environments. Such devices offer a complete and comprehensive solution suitable for adoption in Banking, Commercial and Residential Security sectors, as well as in Traffic Safety, Parking Garages, and in-vehicle applications.













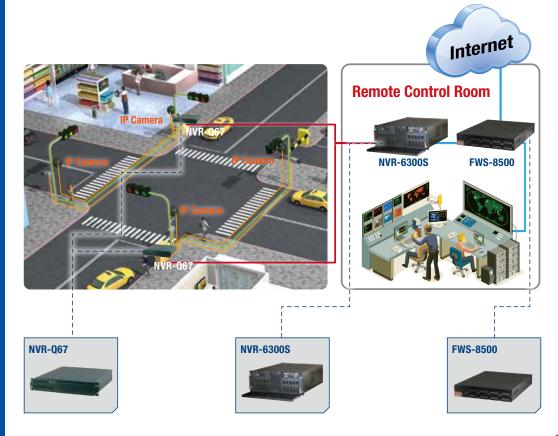
Product List

- FWS-8500
- NVR-Q67
- NVR-6300S



Road travel is one of the most common and yet most dangerous things we all do on a daily basis. To reduce the inherent risk in this activity, video surveillance systems can be deployed along roads, at major junctions, and at pedestrian crossings. Video surveillance enables enhanced response to emergency conditions, enhances crime prevention capabilities and improves investigative activities. AAEON has developed a comprehensive selection of cost effective solutions appropriate for various uses in a wide range of locations.

AAEON's NVR-Q67 Network Video Recorder is suitable for smaller locations like pedestrian crossings and road junctions given its video recording and network capabilities and relatively small size. It's larger and more powerful counterparts, the NVR-6300S and FWS-8500, can be used in main control centers where higher performance and larger storage capacity, allow for more data feeds. HD video streams, from many sources (NVR-Q67) can be simultaneously captured and analyzed for traffic conditions, vehicle identification, weather-related incidents, and dangerous driving behaviors.









Product List

- NVR-6300S
- NVR-Q67
- NVR-Q67S
- FWS-7810

Increased car ownership and technologically advanced vehicles make car park security ever-more important. From the multi-story parking complex to simple paved parking lots, AAEON offers car parks affordable network video recording solutions to keep an around the clock watch over their patron's assets.

For smaller lots, the NVR-Q67 is an affordable solution supporting up to 6 internal drives while the slightly larger NVR-Q67S offers up to 8 hot swappable drive capacity for both small and medium lots. Bigger parking facilities are supported by the NVR-6300S which offers up to 10 hot-swappable, RAID-enabled HDDs as well as data processing capabilities.

Securing the network on which the NVR is attached is as important as the physical security of the car park. AAEON provides network security solutions such as the FWS-7810 Network Appliance as the firewall system in control centers equipped with the NVRs.

















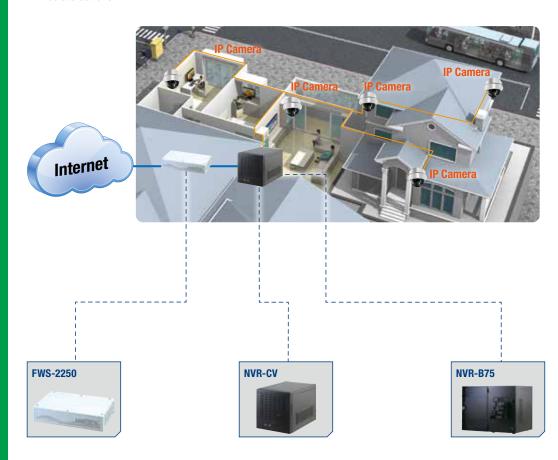
- NVR-B75
- **NVR-CV**
- FWS-2250



As Intelligent Technology enters every facet of our lives, home owners opting for an intelligent lifestyle are now faced with the mounting challenge of protecting their family as well as their assets, and doing so affordably.

Depending on the size of the home (and thus the number of devices involved), home security is enhanced by a comprehensive deployment of video surveillance. AAEON's NVR-CV, NVR-B75 Network Video Recorders, and FWS-2250 Network Appliance are designed to be compact enough for usage in the home and are compatible with a multitude of devices, such as IP cameras, sensors, and monitors.

Sensors deployed throughout the home can be monitored around the clock and any abnormal changes in conditions (such as temperature, opening of windows or doors, glass breakages) can be picked up for immediate actions.







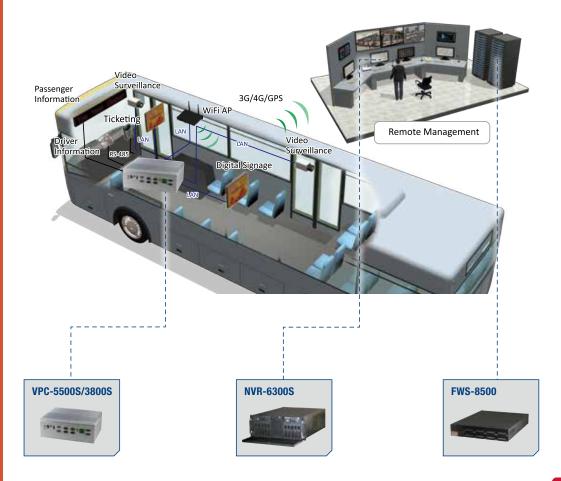
In-Vehicle

Product List

- VPC-5500S
- VPC-3800S
- NVR-6300S
- FWS-8500

In-vehicle video recording is nothing new; however, advances in technology continue to drive the development of systems to incorporate functions of an embedded computer. AAEON's VPC-5500S/VPC-3800C Vehicle PC is one such system.

Areas in and around a bus can be captured by the onboard cameras while the Vehicle PC's GPS provides real-time positioning for tracking by the control center. In the control room, AAEON's NVR-6300S processes the incoming data from the fleet allowing for real-time, conditions-based decision-making. Bus routing can be adjusted based on analytics of data received from the bus and response to situations such as traffic conditions, mechanical systems failure, or emergency situations can be made remotely and efficiently.







Product List

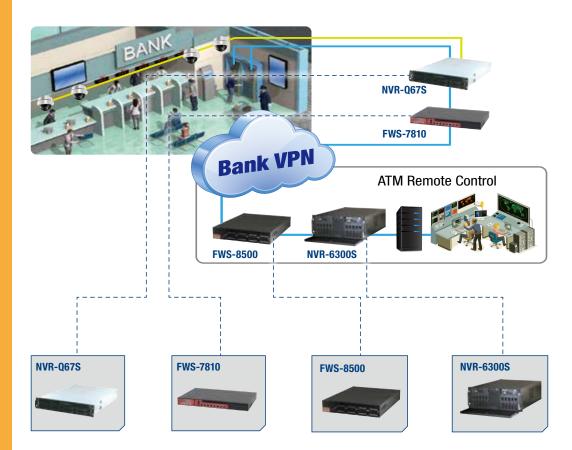
- NVK-63008
- NVR-Q678
- FWS-8500
- FWS-7810



Video surveillance is one of the first lines of defense against criminal activities for financial institutions. Filling this important role are AAEON'S NVR-6300S, NVR-Q67S Network Video Recorders, and FWS-7810, FWS-8500 Network Appliances.

As bank branches vary in both size and service offerings, the NVR-Q67S and FWS-7810 are a good combination for a cost-effective video recording and network security solution. Similarly, bank headquarters, which are usually larger in scale and offer extended services, can be adequately covered with the FWS-7810 and the more powerful NVR-6300S with its ample storage and ability to process data feeds from multiple sources, such as video feeds from cameras in and around the bank's premises.

AAEON's combination of the NVR-6300S and FWS-8500 can be deployed in the ATM control center, where hardware must handle and secure a large data load from all of the bank's ATM machines.



Selection Guide







Model Applications		VPC-5500S	VPC-3800S In-Vehicle NVR, Fleet Management		
		In-Vehicle NVR, Fleet Management			
СРИ		Intel® Core TM i7-4700EQ processor, up to 3.4 GHz Intel® Core TM i5-4400E processor, up to 3.3 GHz Intel® Core TM i3-4100E processor, 2.4 GHz	Intel® J1900, Quad Core SoC, up to 10W Max		
Chipset		Intel® QM87	_		
System Memory		Memory DDR3L 1333/1600 SODIMM x 2, up to 16 GB	Memory DDR3L 1333/1600 SODIMM x 1, up to 8 GB		
Display Interface	VGA	DB-15 x 1, shared system memory up to 1748 MB	DB-15 x 1, shared system memory up to 1748 MB		
	DVI	_	<u> </u>		
	HDMI	HDMI x 1	HDMI x 1		
	Others	DP x 1	_		
Storage	CF/ CFast™	<u>– </u>			
Devices	HDD/SSD	2.5" HDD Bay x 4 (Internal x 2, Hot swappable x 2)	2.5" HDD Bay x 2 (Internal)		
Network	LAN	Gigabit Ethernet	Gigabit Ethernet		
)evice	Wireless	Optional by MiniCard	Optional by MiniCard		
	USB Host	USB 3.0 x 4	<u> </u>		
	LAN	5 (PoE x 4)			
	Serial Port	_			
ront I/O	DIO	_	Digital Input x 4, Digital Output x 4		
	Audio	_	<u> </u>		
	KB/MS	_	_		
	Others	Power on/off x 1, SIM Card Socket x 2, 12VDC Input x 1	Power on/off x 1, SIM Card Socket x 2, Power Input x 1, Remote Power x 1, CAN Bus		
	USB Host	USB 2.0 x 2	USB 3.0 x 1,USB 2.0 x 2		
	LAN	-	6 (PoE x 4)		
	Serial Port	RS-232 x 2, RS-232/422/485 x 2	RS-232 x 1, RS-232/422/485 x 1		
Rear I/O	DIO	Digital Input x 4, Digital Output x 4	<u> </u>		
	Audio	Line-Out x 1, Mic-in x 1	Line-Out x 1, Mic-in x 1		
	KB/MS	_	_		
	Others	Power Input x 1, Remote Power x 1, VGA x 1, HDMI x 1, DP x 1, CAN Bus x 1	VGA x 1, HDMI x 1		
	PCI-E [x1]	_			
	PCI	_	<u> </u>		
xpansion	MiniCard	Full-size Mini-PCle x 3	Full-size Mini-PCle x 3		
	Mini PCI	_			
	Others	SIM Card Socket x 2	SIM Card Socket x 2		
ndicator	Front	System LED x 1, HDD LED x 1, Wireless LED x 3	HDD LED x 1, Wireless LED x 3		
	Rear	_	<u> </u>		
ower Requi	irement	DC 10-35 V	DC 9-36 V		
Power Consu		_	<u> </u>		
System Cool	ling	Passive	Passive		
/lounting		Wallmount	Wallmount		
perating Te		-4°F ~ 122°F (0°C ~ 60°C) (w/o airflow, SSD)	-4°F ~ 122°F (0°C ~ 60°C) (w/o airflow, SSD)		
Storage Temperature		-4°F ~ 158°F (-10°C ~ 70°C)	-4°F ~ 158°F (-10°C ~ 70°C)		
Anti-Vibration		Meets MIL-STD-810D	Meets MIL-STD-810D		
nti-Shock		50 G peak acceleration (11 msec. duration) – SSD	50 G peak acceleration (11 msec. duration) – SSD		
MTBF	F140	— FMO 05/500 01 A			
Certification	EMC	EMC CE/FCC Class A	EMC CE/FCC Class A		
		— F modu F40 100 7007	—		
limoneles (Others	E-mark E13, ISO 7637	E-mark E13, ISO 7637		
Dimension (\		_	_		
Gross Weigh	IL	_	_		
Net Weight		Windows® 7, Windows® 8/8.1, Linux Fedora	Windows 7 Windows 0/0.1 Linux 5-4		
Note		willianse 1, willianse 0/0.1, Lilian reaola	Windows® 7, Windows® 8/8.1, Linux Fedora		



Selection Guide







Model	FWS-8500	FWS-7810	FWS -2250	
Application	Unified Threat Management (UTM), Virtual Private Network (VPN), Content Management (CM), Load. Balancing, Intrusion Detection System (IDS), Intrusion Prevention System (IPS), Firewall	Firewall, IDP/IPS, Load Balancing, Bandwidth Manager, Network Access Control, Web Filter, Anti-Spam/Virus	Firewall, IDP/IPS, Load Balancing, Bandwidth Manager, Network Access Control, Web Filter, Anti-Spam/Virus	
Form Factor	2U 64 LAN Rackmount	1U 8 LAN Rackmount	1U 4 LAN Desktop	
Processor	Dual Intel® Xeon® processor E5-2600 v3	LGA1150 for Intel® 4th Gen Core™/ Xeon®	Intel® Atom™ E3827/E3815/Celeron® J1900 SoC	
Chipset	Intel® 8925	Intel® C226	<u> </u>	
System Memory	288-pin DDR4 1866/2133 ECC RDIMM x 16, up to 128 GB	240-pin DDR3/3L 1333/1600 ECC/non-ECC x 4, up to 32 GB	240-pin single channel DDR3L 1066 SODIMM x 2, up to 8 GB	
Ethernet	Depends on Network Interface Module	Intel® I211AT Gigabit Ethernet	Gigabit Ethernet	
Bypass	Depends on Network Interface Module	Up to 6 pairs bypass with NIM	Optional up to 1 pair bypass	
Drive Bay	Onboard SATA 3 x 2	Onboard SATA 3 x 2 (optional extra 3 SATA ports)	Onboard SATA 2 port x 1 (Optional)	
Cooling Fan	5	2	Fanless	
Front I/O Panel	Power LED x 1 Status LED x 1 HDD Active LED x 1 USB x 2 RJ-45 Console x 1 LCLM Display x 1 Reset Button x 1 NIM Slot x 8	Power LED x 1 Status LED x 1 HDD Active LED x 1 LAN LED x 16 USB 3.0 x 2 LAN x 8 RJ-45 Console x 1 LCM Display x 1 Reset Button x 1 NIM Slot x 1 Bypass LED (Optional up to 2)	Power LED x 1 Status LED x 1 HDD Active LED x 1 LAN LEDs x 8 Bypass LED (Optional up to 1)	
Rear I/O Panel	PCI-E [x8] expansion slot x 2 Redundant Power Alarm Reset Button x 1	PCI-E [x8] slot x 1 for NIM PCI-E [x8] slot x 2 for add-on card (optional)	12V DC Power Input x 1 RJ-45 Console x 1 USB 2.0 x 2 LAN x 4 Software Programmable Button x 1 Power Switch x 1	
Color	Black	Black	White	
Power Requirement	Redundant 650W	Flex ATX 250W	40W@12V DC-In Adapter	
Storage Humidity	10~80%@40°C, non-condensing	10~80%@40°C, non-condensing	10~80%@40°C, non-condensing	
Anti-Vibration	0.5 Grms/ 5 ~500 Hz/ Operation	0.5 Grms/ 5 ~500 Hz/ Operation	0.5 Grms/5 ~500 Hz/Operation	
Anti-Shock	10 G peak acceleration (11 m sec. duration)	10 G Peak Acceleration (11ms duration)	10 G Peak Acceleration (11 ms duration)	
Certification	CE/FCC	CE/FCC	CE/FCC	
Dimension	16.9" x 3.4" x 23.6"	16.9" x 1.7" x 12"	5.9" x 1.2" x 3.9"	
(W x H x D)	(430mm x 88mm x 600mm)	(430mm x 44mm x 305mm)	150mm x 30mm x 100mm)	
Gross Weight	ANNA COOR 1 C Coorses of the large burners	_=	<u> </u>	
LAN Module	NIM-C13A, 1 G Cooper x 8 w/2 pairs bypass NIM-S13A, 1 G Fiber x 8 NIM-S26A, 10 G Fiber x 2 NIM-S26B, 40 G Fiber x 2	PER-C35L, 10 G Fiber x 2 PER-C36L, 1 G Fiber x 4 PER-C37L, 1 G Cooper x 8 w/2 pairs bypass PER-C38L, 1 G Cooper x 8 w/4 pairs bypass	_	
		1 En coce, 1 a cooper x c w/ 1 pane bypace		
Swappable HDD Tray	Optional 2.5" Swappable HDD x 1			

















Model	NVR-6300S	NVR-Q67	NVR-Q67S	NVR-B75	NVR-CV
Application	Networking Video Recorder Survillance Management	Networking Video Recorder Surveillance Management	Networking Video Recorder Surveillance Management	Networking Video Recorder Surveillance Management Retail NVR Appliance	Networking Video Recorder Surveillance Management
Form Factor	4U Rackmount	2U Rackmount	2U Rackmount	Tower Station	Mini Tower
Processor	Intel® 4th Gen. Core™ i3/i5/i7 Processor	Intel® Core™ i3/i5/i7	Intel® Core™ i3/i5/i7	Intel® Core™ i3/i5	Intel® Atom™ D2250
Chipset	Intel® Q87	Intel® Q67	Intel® Q67	Intel® B75	Intel® ICH10R
System Memory	240-pin DDR3 1333 DIMM, up to 32 GB	240-pin DDR3 1333 DIMM, up to 32 GB	240-pin DDR3 1333 DIMM, up to 32 GB	240-pin DDR 3 1333 DIMM, up to 4 GB	DDR 3 1066 SODIMM, non-ECC, u to 4 GB
Ethernet	Gigabit Ethernet	Gigabit Ethernet	Gigabit Ethernet	Gigabit Ethernet	Gigabit Ethernet
Drive Bay	3.5" SATA HDD tray x 12 + 2.5" hot-swappable SATA HDD tray x 1	Support Internal 3.5" SATA HDD x 6 + Internal 2.5" SATA HDD Bracket x 1		Support removable 3.5" SATA HDD Tray x 5 + Internal 3.5" SATA HDD Bracket x 1	3.5" SATA HDD x 4 or 2.5" SATA HDD x 4 Removable Tray
Display	HDMI x 1, DP x 1, VGA x 1	DVI-D x 1, VGA x 1, DP x 1	DVI-D x 1, VGA x 1, DP x 1	VGA x 1, HDMI port x 3	DVI-D x 1, VGA x 1
Front I/O Panel	Power on/off x 1 Reset Button x 1 Power LED x 1 HDD Active LED x 11 USB 3.0 x 2 USB 2.0 x 1 Slim optical disk drive x 1	Power on/off x 1 Reset Button x 1 Power & HDD LED USB 2.0 x 2 (only for RM-S model)	Power on/off x 1 Reset Button x 1 Power & HDD LED USB 2.0 x 2 (only for RM-S model)	Power on/off x 1 Reset Button x 1 Power & HDD LED USB 3.0 x 2	Power on/off x 1 Reset Button x 1 Power & HDD LED USB 2.0 x 2
Rear I/O Panel	USB 3.0 x 2 USB 2.0 x 2 RJ-45 Ports x 2 (PoE) HDMI x 1,DP x 1, VGA x 1 Audio Jack x 1 PS/2 keyboard/Mouse x 1	PS/2 x 1 (Keyboard + Mouse) VGA x 1 DVI-D x 1 LAN (RJ-45) port x 2 USB 2.0 x 4 Audio jack x 3, DP x 1	PS/2 x 1 (Keyboard + Mouse) VGA x 1 DVI-D x 1 LAN (RJ-45) port x 2 USB 2.0 x 4 Audio jack x 3, DP x 1	PS/2 x 1 (Keyboard + Mouse) HDMI x 3 DVI-D x 1 LAN (RJ-45) port x 2 USB 2.0 x 4 Audio jack x 3	VGA x 1 DVI-D x 1 LAN (RJ-45) port x 2 USB 2.0 x 4 COM console x 2 Audio jack x 3
Operating Temperature	32°F ~ 104°F (0°C ~ 40°C)	32°F ~ 104°F (0°C ~ 40°C)	32°F ~ 104°F (0°C ~ 40°C)	32°F ~ 104°F (0°C ~ 40°C)	32°F ~ 104°F (0°C ~ 40°C)
Storage Temperature	-4°F ~ 140°F (-20°C ~ 60°C)	-4°F ~ 140°F (-20°C ~ 60°C)	-4°F ~ 140°F (-20°C ~ 60°C)	-4°F ~ 140°F (-20°C ~ 60°C)	-4°F ~ 140°F (-20°C ~ 60°C)
Storage Humidity	10%~80% @40°C; non- condensing	10%~80% @40°C; non- condensing	10%~80% @40°C; non- condensing	10%~80% @40°C; non- condensing	10%~80% @40°C; non- condensing
Anti-Vibration	0.5 Grms/5~500 Hz/operation (2.5" Hard Disk Drive) 1.5 Grms/5~500 Hz/no operation	0.2 Grms/10~200 Hz/operation (2.5" Hard Disk Drive) 1.5 Grms/5~500 Hz/no operation	0.2 Grms/10~100 Hz/operation (2.5" Hard Disk Drive) 1.5 Grms/5~500 Hz/no operation	0.3 Grms/5~500 Hz/operation (2.5" Hard Disk Drive) 1.5 Grms/5~500 Hz/no operation	0.5 Grms/5~500 Hz/operation (2.5" Hard Disk Drive) 1.5 Grms/5~500 Hz/no operation
Anti-Shock	10 G peak acceleration (11 m sec. duration), operation 20 G peak acceleration (11 m sec. duration), no operation	_	_	4G peak acceleration (11 m sec. duration), operation 20 G peak acceleration (11 m sec. duration), no operation	10 G peak acceleration (11 m sec. duration), operation 20 G peak acceleration (11 m sec. duration), no operation
Certification	CE/FCC Class A	CE/FCC Class A, CCC	CE/FCC Class A, CCC	CE/FCC Class A, CCC	CE/FCC Class A, CCC
Dimension (W x H x D)	19.02" x 7.01" x 25" (483mmx 178mm x 635mm)	19.41" x 3.46" x 16.61" (493mm x 88mm x 422mm)	25.98" x 3.46" x 16.93" (660mm x 88mm x 430mm)	8.07" x 11.83" x 11.81" (205mm x 300mm x 275mm)	7.87" x 9.84" x 11.93" (200mm x 250mm x 303mm)
Gross Weight	33 lb (15 kg)	26.4 lb (12 kg)	28.7 lb (13 kg)	22 lb (10 kg)	19.8 lb (9 kg)
Swappable HDD Tray	3.5" x 12, 2.5" x 1		3.5" SATA HDD x 8	3.5" x 5	3.5" or 2.5" x 4
Internal System Bay	3.5" x 1 or 2.5" x 1	2.5" HDD x 1	2.5" HDD x 1	3.5" HDD x 1	SATA DOM (optional)
Note	_	_	_	_	_