



NVRs & DVRs Family Brochure



Q2 2014

Smart Solutions for Complex Security Projects

AVer's wide range of complete surveillance solutions provides users with a variety of specifications and software support to accommodate the demands of most security projects. AVer's leading hybrid technology gives users the flexibility to support both megapixel IP cameras and analog cameras using the same DVR. This cost-effective approach allows for IP camera installation in critical areas and use of analog cameras in less critical areas or areas with extensive analog infrastructures already in place. Users in search of a pure network solution can match AVer's array of megapixel IP cameras with our embedded NVRs, like the powerful, cost-saving Linux-based E5016. Rounding out AVer's smart security solutions is its advanced NVR/DVR software which ensures a friendly user experience and easy management of events through video footage clustering.



Plug and Play

This exclusive feature makes installation as easy as possible. Simply connect AVer IP cameras with an AVer NVR/DVR and then sit back and watch as each IP camera is automatically detected and connected to the DVR or NVR. Have your system up and running in no time.



Intelligent Streaming

Through this unique feature of the AVer total surveillance solution, users can optimize remote and local monitoring by selecting compression types, frame rates and quality for specific streams, achieving excellent image performance, especially during multi-channel preview.



Simplified Camera Settings

Users can individually adjust the video size and frame rate for every connected analog camera plus easily setup attached IP cameras through friendly features like hassle-free protocol searching for most major IP camera brands.



Advanced Alarm Settings

AVer's extensive real-time alarming conditions, such as motion detection and abnormal events, are easily set to trigger specific actions to address the situation, such as activating warning sirens, sending alarm notifications to the central management system (CMS), or launching an E-map or a specified camera image to draw the user's attention.



			4CH	8CH	16CH	32CH
NVR	Embedded Linux	Standalone	 EXR6004 Mini HDD x 1	HDMI Full HD E1008 HDD x 1	HDMI Full HD E5016 RAID HDD x 4	HDMI Full HD IWH5416 II HDD x 6
Hybrid DVR	Windows	PCI-e card	 NV6120T (PCIe 1x)	 NV6240T (PCIe 1x)	 NV6480T (PCIe 1x)	 NV6480T 2
					 IWH5416 II HDD x 6	 IWH5416+16 HDD x 6
	Embedded Windows	Standalone			 IWH3216 Touch series IWH Touch: HDD x 4 IWH Touch II: HDD x 5	
				HDMI Full HD E1008H HDD x 1	HDMI Full HD E5016H RAID HDD x 4	
Embedded Linux	Standalone		HDMI EH6108H+ HDD x 4	HDMI EH6216H+ HDD x 4		
					HDMI EH1116H-4 ⁺ (up to 4 IP camera channels) HDD x 2	
			HDMI EH1004H-4 Nano (up to 4 IP camera channels) HDD x 1	HDMI EH1008H-4 Nano (up to 4 IP camera channels) HDD x 1	HDMI EH1116H-4 Nano (up to 4 IP camera channels) HDD x 1	

* NV series capture cards are stackable up to 2 cards to create specialized configurations up to 32CH per PC.



embedded hybrid DVR						
model	IWH5416+16	IWH5416 II	IWH3216 Touch II	IWH3216 Touch		
application	Project-based DVR perfect for cases with demanding specification requirements E.g. airports, transportation hubs, government offices, banks, shopping malls					
feature overview	<ul style="list-style-type: none"> Quad-core processor for enhanced, full HD images Advanced data storage with up to 6 HDDs, plus e-SATA & iSCSI support S.M.A.R.T. status alarm preventing HDD failure All-new setup wizard for simplified system configuration Intelligent video integration with iPOS, FaceFinder, PTZ tracking, and more 					
system						
operating system	embedded Windows® 7 (64-bit)		embedded Windows® XP (32-bit)			
total channel number	32	16	16			
max. IP camera input	32	16	16			
max. analog camera input	16					
performance						
display (analog)	480 / 400fps (NTSC/PAL)					
display (IP)	2M @ 140fps		2M @ 40fps			
recording (analog)	compression	H/W H.264				
	resolution	NTSC: 352 x 240 (CIF), 720 x 240 (Half-D1), 720 x 480 (D1) PAL: 352 x 288 (CIF), 720 x 288 (Half-D1), 720 x 576 (D1)				
	frame rate (NTSC/PAL)	CIF: 480 / 400fps Half-D1: 480 / 400fps				
		D1: 480 / 400fps	D1: 240 / 200fps			
recording (IP)	resolution	up to 5 megapixels per channel, and a total of 80 megapixels for all channels in H.264 / MPEG-4 / MJPEG format		up to 5 megapixels per channel, and a total of 42 megapixels for all channels in H.264 / MPEG-4 / MJPEG format		
throughput	250 Mbps	140 Mbps	100 Mbps			
storage	internal HDD capacity	6 SATA HDDs (6 removable HDD trays)	4 SATA HDDs (4 removable HDD trays) optional*: up to 5 SATA HDDs (5 removable HDD trays)	3 SATA HDDs optional*: up to 4 SATA HDDs (1 removable HDD tray)		
	internal RAID support	-				
	external HDD support	e-SATA HDD or RAID x1				
	iSCSI support	yes				
backup	internal DVD-RW	- (supports external DVD-RW)	- (supports external DVD-RW)	yes (swappable with 1 HDD tray)		
interface						
monitor	VGA output	1 (up to 1920 x 1200)	VGA 1 (up to 1920 x 1200) VGA 2 (1280 x 1024)			
	HDMI output	1 (up to 1920 x 1200)	-			
	TV output	1 (supports hybrid multi-quad output)				
	spot output	1 (supports full screen output from analog camera channels with triggered alarms)				
audio	input	16 line-in, 8 KHz sampling rate				
	output	1 line-out				
MIC	input	1 line-in				
alarm	sensor (alarm) input	16 input voltage: max. DC 6V				
	relay output	4 (NO / NC)	-			
		voltage range: AC 250V / DC 30V	voltage range: AC 125V / DC 30V			
		switching current: max. 1A				
network	Ethernet (RJ45)	2 (10/100/1000Base-T)				
connection	e-SATA	1				
	RS-232	1 (D-sub 9 pins, male)				
	RS-485	1 set (Tx+, Tx-, Rx+, Rx-)				
	USB 2.0	6 (2 ports on front panel, 4 ports on rear panel)				
control	front key pad	-	yes	yes		
	LCD display	-	yes (temperature / system status / free HDD space / alarm status)	-		
general						
electrical	power input	250W PSU	120W power adapter, DC 19V			
environmental	operating temperature	0°C~40°C				
mechanical	dimensions (W x H x D)	430 x 105 x 410 mm	430 x 105 x 410 mm	430 x 60 x 370 mm		
	weight (net)	8.36 kg	7.6 kg	5.2 kg		

* installed upon assembly

HDMI

HDMI



embedded hybrid DVR			
model	EH6216H+	EH6108H+	EH1116H-4+
application	Feature-upgraded DVR series suitable for medium sized and retail chain stores security applications E.g. supermarkets, university campuses, business plazas		Smart hybrid solution that is perfect for medium sized projects E.g. restaurants, factories, warehouses
feature overview	<ul style="list-style-type: none"> Supports H.264 H/W compression up to 480 / 400fps recording Analog spot monitor and VGA / HDMI monitor output Advanced intelligent streaming technology provides excellent preview performance Remote software integration with CMS, iPhone, iPad, Android phone and tablet 		<ul style="list-style-type: none"> Embedded hybrid DVR that supports up to 4 IP cameras Supports up to 5 megapixels for one channel to provide high quality images Advanced intelligent streaming technology provides excellent preview performance Remote software integration with CMS, iPhone, iPad, Android phone and tablet
system			
operating system	embedded Linux		embedded Linux
total channel number	16	8	16
max. IP camera input	16	8	4
max. analog camera input	16	8	16
performance			
display (analog)	480 / 400fps (NTSC/PAL)	240 / 200fps (NTSC/PAL)	480 / 400fps (NTSC/PAL)
display (IP)	VGA @ 120fps	VGA @ 60fps	VGA @ 60fps
recording (analog)	compression	H/W H.264	
	resolution	NTSC: 352 x 240 (CIF), 720 x 240 (Half-D1), 720 x 480 (D1) PAL: 352 x 288 (CIF), 720 x 288 (Half-D1), 720 x 576 (D1)	
	frame rate (NTSC/PAL)	CIF: 480 / 400fps Half-D1: 480 / 400fps D1: 240 / 200fps	CIF: 240 / 200fps Half-D1: 240 / 200fps D1: 120 / 100fps
	resolution	up to 5 megapixels for one channel, and a total of 16 megapixels for all channels in H.264 / MPEG-4 / MJPEG format	up to 5 megapixels for one channel, and a total of 8 megapixels for all channels in H.264 / MPEG-4 / MJPEG format
recording (IP)	resolution	up to 5 megapixels for one channel, and a total of 8 megapixels for all 4 IP camera channels in H.264 / MPEG-4 / MJPEG format	up to 5 megapixels for one channel, and a total of 8 megapixels for all 4 IP camera channels in H.264 / MPEG-4 / MJPEG format
throughput	65 Mbps		50 Mbps
storage	internal HDD capacity	3 SATA HDDS optional*: up to 4 SATA HDDS (1 removable HDD tray)	2 SATA HDDS
	internal RAID support	-	
	external HDD support	e-SATA HDD or RAID x1	-
	iSCSI support	-	
backup	internal DVD-RW	yes (swappable with 1 HDD tray)	
interface			
monitor	VGA output	1 (1024 x 768)	
	HDMI output	1 (1024 x 768)	
	TV output	1 (supports hybrid multi-quad output)	
	spot output	1 (supports full screen output from analog camera channels with triggered alarms)	
audio	input	16 line-in, 8 KHz sampling rate	8 line-in, 8 KHz sampling rate
	output	1 line-out	
MIC	input	1 line-in	
alarm	sensor (alarm) input	16	4
		input voltage: max. DC 6V	
	relay output	4 (NO / NC)	1 (NO / NC)
		voltage range: AC 125V / DC 30V	
		switching current: max. 1A	
network	Ethernet (RJ45)	1 (10/100/1000Base-T)	
connection	e-SATA	1	-
	RS-232	1 (D-sub 9 pins, male)	
	RS-485	1 set (Tx+, Tx-, Rx+, Rx-)	
	USB 2.0	3 (front panel)	2 (front panel)
control	front key pad	yes	
	LCD display	-	
general			
electrical	power input	90W power adapter, DC 19V	48W power adapter, DC 12V
environmental	operating temperature	0°C~40°C	
mechanical	dimensions (W x H x D)	430 x 60 x 370 mm	430 x 60 x 370 mm
	weight (net)	5.7 kg	3.7 kg



embedded hybrid DVR			
model	EH1116H-4 Nano	EH1008H-4 Nano	EH1004H-4 Nano
application	Featuring a compact size with an intuitive graphical interface, this user friendly DVR series is designed for retail industry and residential sector applications E.g. convenience stores, ATMs, homes		
feature overview	<ul style="list-style-type: none"> Compact-sized embedded hybrid DVRs that support up to 4 IP cameras Fan-less (4 / 8CH) and mini-fan (16CH) system design provide noise-free environment Advanced intelligent streaming technology provides excellent preview performance Remote software integration with CMS, iPhone, iPad, Android phone and tablet 		
system			
operating system	embedded Linux		
total channel number	16	8	4
max. IP camera input	4		
max. analog camera input	16	8	4
performance			
display (analog)	480 / 400fps (NTSC/PAL)	240 / 200fps (NTSC/PAL)	120 / 100fps (NTSC/PAL)
display (IP)	VGA @ 60fps		
recording (analog)	compression	H/W H.264	
	resolution	NTSC: 352 x 240 (CIF), 720 x 240 (Half-D1), 720 x 480 (D1) PAL: 352 x 288 (CIF), 720 x 288 (Half-D1), 720 x 576 (D1)	
	frame rate (NTSC/PAL)	CIF: 480 / 400fps Half-D1: 240 / 200fps D1: 120 / 100fps	CIF: 240 / 200fps Half-D1: 120 / 100fps D1: 60 / 50fps
	resolution	up to 5 megapixels for one channel, and a total of 8 megapixels for all 4 IP camera channels in H.264 / MPEG-4 / MJPEG format	
throughput	50 Mbps	17.5 Mbps	
storage	internal HDD capacity	1 SATA HDD	
	internal RAID support	-	
	external HDD support	e-SATA HDD or RAID x1	
	iSCSI support	-	
backup	internal DVD-RW	-	
interface			
monitor	VGA output	1 (1024 x 768)	
	HDMI output	1 (1024 x 768)	
	TV output	1 (supports hybrid multi-quad output)	
	spot output	1 (supports full screen output from analog camera channels with triggered alarms)	
audio	input	4 line-in, 8 KHz sampling rate	
	output	1 line-out	
MIC	input	-	
alarm	sensor (alarm) input	4 input voltage: max. DC 6V	
	relay output	1 (NO / NC) voltage range: AC 125V / DC 30V switching current: max. 1A	
network	Ethernet (RJ45)	1 (10/100/1000Base-T)	1 (10/100Base-T)
connection	e-SATA	1	
	RS-232	1 (D-sub 9 pins, male)	
	RS-485	1 set (Tx+, Tx-, Rx+, Rx-)	
	USB 2.0	2 (front panel)	
control	front key pad	-	
	LCD display	-	
general			
electrical	power input	48W power adapter, DC 12V	24W power adapter, DC 12V
environmental	operating temperature	0°C~40°C	
mechanical	dimensions (W x H x D)	245 x 50 x 160 mm	
	weight (net)	0.8 kg	



hybrid capture card			
model	NV6480T	NV6240T	NV6120T
application	Customizable security solution to accommodate a variety of demands for different types of security projects E.g. mechanic shops, parking lots, business buildings		
feature overview	<ul style="list-style-type: none">Customize your own surveillance system that is stackable up to 32CHHybrid spot monitor and dual monitor outputS/W compression with real-time recording and displayAdvanced iPOS function and POS integration with most commonly used systemsRemote software integration with CMS, iPhone, iPad, Android phone and tablet		
system			
interface	PCI-e 1x		
operating system	supports Windows® XP (32-bit) / 7 (32 / 64-bit)		
total channel number	16 (stackable up to 2 cards)	8 (stackable up to 2 cards)	4 (stackable up to 2 cards)
max. IP camera input	16	8	4
max. analog camera input	16	8	4
performance			
display (analog)	480 / 400fps (NTSC/PAL)	240 / 200fps (NTSC/PAL)	120 / 100fps (NTSC/PAL)
display (IP)	n/a		
recording (analog)	compression	S/W H.264 / MPEG-4	
	resolution	NTSC: 352 x 240 (CIF), 640 x 480 (VGA), 720 x 240 (Half-D1), 720 x 480 (D1) PAL: 352 x 288 (CIF), 640 x 480 (VGA), 720 x 288 (Half-D1), 720 x 576 (D1)	
	frame rate (NTSC/PAL)	CIF: 480 / 400fps	CIF: 240 / 200fps
		VGA: 480 / 400fps	VGA: 240 / 200fps
		Half-D1: 240 / 200fps	Half-D1: 120 / 100fps
recording (IP)	resolution	D1: 160 / 128fps	D1: 240 / 200fps
recording (IP)	resolution	D1: 120 / 100fps	D1: 120 / 100fps
throughput	n/a		
storage	Internal HDD capacity	-	
	internal RAID support	-	
	external HDD support	-	
	iSCSI support	yes	
backup	internal DVD-RW	-	
interface			
monitor	VGA output	supports up to 1920 x 1200 (from graphic card)	
	HDMI output	supports up to 1920 x 1200 (from graphic card)	
	TV output	1 (supports hybrid multi-quad output)	
	spot output	-	
audio	input	16 line-in, 8 KHz sampling rate	8 line-in, 8 KHz sampling rate
	output	-	
MIC	input	-	
alarm	sensor (alarm) input	4 (with I/O card) input voltage: max. DC 6V	
	relay output	4 (with I/O card) voltage range: AC 125V / DC 30V switching current: max. 1A	
network	Ethernet (RJ45)	-	
connections	e-SATA	-	
	RS-232	-	
	RS-485	-	
	USB 2.0	-	
control	front key pad	-	
	LCD display	-	
general			
environmental	operating temperature	0°C ~ 40°C	
mechanical	dimensions (W x H x D)	167 x 109.5 mm	
	weight (net)	0.118 kg	0.113 kg



NEW



NEW



embedded hybrid DVR		
model	E5016H	E1008H
application	Powerful hybrid DVR designed for medium to large scale projects E.g. banks, shopping malls, public facilities	Compact hybrid DVR designed for small to medium scale projects E.g. convenience stores, gas stations, bank branches
feature overview	<ul style="list-style-type: none"> • PC-like preview performance • Stability and reliability of Linux • Impressive 120 Mbps throughput rate • Intuitive, easy-to-learn standardized GUI • Intelligent streaming 	<ul style="list-style-type: none"> • High preview performance • Stability and reliability of Linux • Impressive 60 Mbps throughput rate • Intuitive, easy-to-learn standardized GUI • Intelligent streaming
system	embedded Linux	
operating system	embedded Linux	
total channel number	16	8
max. IP camera input	16	8
max. analog camera input	16	8
performance	H/W H.264	
display (analog)	480 / 400fps (NTSC/PAL)	240 / 200fps (NTSC/PAL)
display (IP)	2M @ 120fps	2M @ 80fps
recording (analog)	compression	H/W H.264
	resolution	NTSC: 352 x 240 (CIF), 720 x 240 (Half-D1), 720 x 480 (D1) PAL: 352 x 288 (CIF), 720 x 288 (Half-D1), 720 x 576 (D1)
	frame rate (NTSC/PAL)	CIF: 480 / 400fps Half-D1: 480 / 400fps D1: 480 / 400fps
		CIF: 240 / 200fps Half-D1: 240 / 200fps D1: 240 / 200fps
recording (IP)	resolution	up to 5 megapixels for one channel, and a total of 32 megapixels for all channels in H.264 / MPEG-4 / MJPEG format
throughput	120 Mbps	60 Mbps
storage	internal HDD capacity	4 SATA HDDs (4 removable HDD trays)
	internal RAID support	yes (level 0, 1, 5, 10)
	external HDD support	e-SATA HDD or RAID x 1
	iSCSI support	Yes
backup	internal DVD-RW	- (supports external DVD-RW)
interface	VGA output	
monitor	VGA output	1 (1920 x 1080)
	TV output	1 (supports hybrid multi-quad output)
	spot output	1 (supports hybrid full screen output with triggered alarms)
		-
audio	input	16 line-in, 8KHz sampling rate
	output	1 line-out
MIC	input	1 line-in
alarm	sensor (alarm) input	16 input voltage: max. DC 6V
	relay output	4 (NO / NC) voltage range: AC 125V / DC 30V switching current: max. 1A
		2 (NO / NC)
network	Ethernet (RJ45)	2 (10/100/1000Base-T)
connection	e-SATA	1
	RS-232	-
	RS-485	1 set (Tx+, Tx-, Rx+, Rx-)
	USB 2.0	3 (2 ports on front panel, 1 port on rear panel)
control	front key pad	-
	front key pad	-
general		
electrical	power input	120W power adapter, DC 19V
environmental	operating temperature	0°C to 40°C
mechanical	dimensions (W x H x D)	430 x 105 x 410 mm
	weight (net)	8.2kg
		245 x 50 x 160 mm
		0.8kg



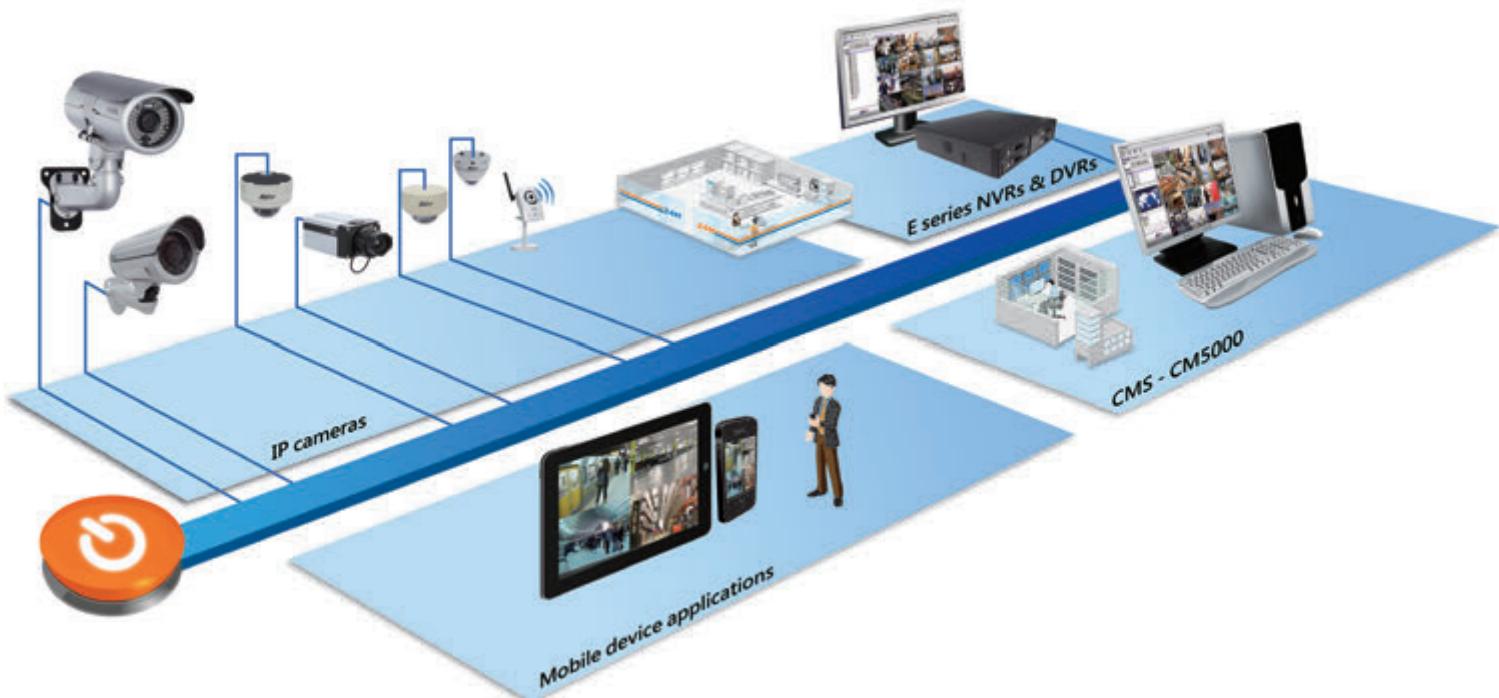
NVR						
model	E5016	E1008	EXR6004 Mini			
application	Powerful NVR designed for medium to large scale projects E.g. banks, shopping malls, public facilities	Compact NVR designed for small to medium scale projects E.g. convenience stores, gas stations, bank branches	Compact NVR for retail and small sized projects E.g. jewelry stores, main passage ways, homes			
feature overview	<ul style="list-style-type: none"> • PC-like preview performance • Stability and reliability of Linux • Impressive 120 Mbps throughput rate • Intuitive, easy-to-learn standardized GUI • Plug and play and intelligent streaming 	<ul style="list-style-type: none"> • PC-like preview performance • Stability and reliability of Linux • Impressive 60 Mbps throughput rate • Intuitive, easy-to-learn standardized GUI • Plug and play and intelligent streaming 	<ul style="list-style-type: none"> • Embedded Linux system with compact design • Dual gigabit LAN support • Local display & setup • Remote software integration with CMS, iPhone, iPad, Android phone and tablet 			
system	embedded Linux					
operating system	embedded Linux					
total channel number	16	8	4			
max. IP camera input	16	8	4			
performance	VGA @ 60fps					
display	2M @ 120fps		2M @ 120fps	VGA @ 60fps		
recording	resolution	up to 5 megapixels for one channel, and a total of 32 megapixels for all channels in H.264 / MPEG-4 / MJPEG format	up to 5 megapixels for one channel, and a total of 16 megapixels for all channels in H.264 / MPEG-4 / MJPEG format	up to 5 megapixels for one channel, and a total of 8 megapixels for all channels in H.264 / MPEG-4 / MJPEG format		
throughput	120 Mbps		60 Mbps	40 Mbps		
storage	internal HDD capacity	4 SATA HDDs (4 removable HDD trays)	1 SATA HDD	1 SATA HDD		
	internal RAID support	yes (level 0, 1, 5, 10)	-	-		
	external HDD support	e-SATA HDD or RAID x 1	eSATA HDD or RAID x 1	e-SATA HDD or RAID x 1		
	iSCSI support	Yes	-	-		
backup	internal DVD-RW	- (supports external DVD-RW)	- (supports external DVD-RW)	-		
interface	VGA output					
monitor	VGA output	1 (1920 x 1080)	1 (1920 x 1080)	1 (1024 x 768)		
	HDMI output	1 (1920 x 1080)	1 (1920 x 1080)	-		
	TV output	1 (supports multi-quad output)	1 (supports multi-quad output)	-		
	spot output	-	-	-		
audio	input	via IP camera				
	output	1 line-out				
MIC	input	1 line-in				
alarm	sensor (alarm) input	16	4	4		
		input voltage: max. DC 6V				
		4 (NO/NC)	2 (NO/NC)	1 (NO/NC)		
	relay output	voltage range: AC 125V / DC 30V switching current: max. 1A				
network	Ethernet (RJ45)	2 (10/100/1000Base-T)				
connection	e-SATA	1				
	RS-232	1 (D-sub 9 pins, male)	-			
	RS-485	1 set (Tx+, Tx-, Rx+, Rx-)	-			
	USB 2.0	3 (2 ports on front panel, 1 port on rear panel)	3 (2 ports on front panel, 1 port on rear panel)	3 (1 port on front panel, 2 ports on rear panel)		
general						
electrical	power input	90W power adapter, DC 19V	48W power adapter, DC 12V	48W power adapter, DC 12V		
environmental	operating temperature	0°C~40°C				
mechanical	dimensions (W x H x D)	430 x 105 x 410 mm	245 x 50 x 160 mm	245 x 53 x 160 mm		
	weight (net)	8 kg	0.8 kg	0.8 kg		

Next-generation full HD IP surveillance solution

Reliable performance · optimized bandwidth & storage · easy setup

The seamless integration between AVer IP cameras, NVRs & DVRs and central management software (CMS) not only provides reliability and enhanced performance but also guarantees easy setup thanks to the standardized user interface across all devices. Clever functions like Smart Stream and ROI create an optimized solution for bandwidth and storage efficiency. And, with regularly scheduled feature and performance upgrades, expect your AVer IP surveillance solution to actually get better with age, allowing you to save more on bandwidth and storage investment.

- Full line of AVer IP cameras
- E-series NVRs & DVRs
- Central management software CM5000



SDKs



Unified Software Development Kits available for AVer IP cameras and AVer NVRs & DVRs make it much easier to integrate AVer solution components with any of external systems. SDKs can significantly speed up customization process, saving your time and efforts.



CM5000 CMS

The all-new CM5000 central management software (CMS) is designed for remote management of AVer's next generation of NVRs & DVRs. Users can leverage CM5000 to remotely control E-series NVRs & DVRs, including support for live preview, instant playback, settings adjustment, 4,096 E-maps, 4-monitor output, remote schedule backup, analog camera and camera MFZ setting, and 2-way audio with NVRs. Full GUI standardization between local (NVR/DVR) and remote (CMS) sites ensures a low learning curve and smooth everyday operation.



Integrated Setup with Standardized UI

With the complete integration between AVer IP cameras, E-series NVRs & DVRs, and CM5000, all camera settings, including not only the basic ones like IP address, but also camera-embedded advanced options like ROI, Smart Stream, motion detection or motorized focus/zoom (MFZ), can now be set directly via NVRs & DVRs and CMS interface.

Central Management Software (CMS) – CM3000 & CM3000 Gold

- Connect and control up to 1000 AVer NVRs or DVRs
- Quad monitor support
- Supports up to 64 E-maps or Google maps to integrate and display incident alerts and live video
- Remote playback and backup for reviewing recorded video and retrieving critical images
- Advanced alarm center with multiple operator management
- Remote iAlarm for monitoring live alarm events and assigning them to remote managers
- Remote iMatrix for grouping up to 128 monitor views into myriad combinations to create a TV-wall command center
- Remote Setup for remote configuration of cameras, recordings, schedules and alarms



Mobile Control and Access

- Support for iPad, iPhone, Android phone and tablet
- Single or multi-channel live monitoring anytime and anywhere
- Savable profiles for fast connection during future use
- Remote PTZ camera control
- Remote download and playback of selected video footage
- 2-way audio available for NVRs

Video Intelligence

- Missing object detection:
Alarm triggered when defined objects are removed from monitored zones, such as a painting taken off the wall at a museum or art gallery
- Suspicious object detection:
Alarm triggered when objects are left alone for an extended period of time, such as baggage left unattended at an airport or railway station
- Tampering detection:
Alarm triggered when there is an attempt to reposition or obstruct a monitoring camera, such as a vandal spray painting over the camera lens
- Visual search:
Easily search by days, hours, minutes, and even seconds for recorded data on a selected channel
- PTZ tracking:
Track moving objects from both local and remote locations



POS Integration

- Full compatibility with popular POS systems
- Easy management through the real-time POS data overlay on live video display
- Integrated confidential keyword filter for protection against employee tampering
- Use POS keywords to trigger notifications
- Adjust POS text location and font colors during video playback
- Search transaction data and playback video directly from the live monitoring screen through the advanced iPOS function (IWH / NV series)