



NiceVision HYBRID SMART VIDEO RECORDER (SVR)

Protecting past investments, leveraging new technology

As IP-based video surveillance solutions become increasingly prevalent, new architectures, technologies and services in this expanding market are being developed. Despite this, analog cameras and analog-based solutions are still being used in the majority of existing video surveillance installations. In response, NiceVision has developed a new solution that can process and manage both IP inputs and analog cameras: the Hybrid SVR. Now organizations can take full advantage of the benefits of IP-based solutions while protecting past investments and utilizing their analog equipment.

The best of both worlds

For a variety of reasons, advancements in technology often outpace an organization's ability to leverage and deploy them. Obstacles can include budgetary restrictions, a desire to protect past investments, or even the inability to disrupt services. NiceVision's Hybrid SVR was designed to allow organizations the ability to take advantage of the advancements being made in IP-based technology at their own pace and without costly equipment replacement.

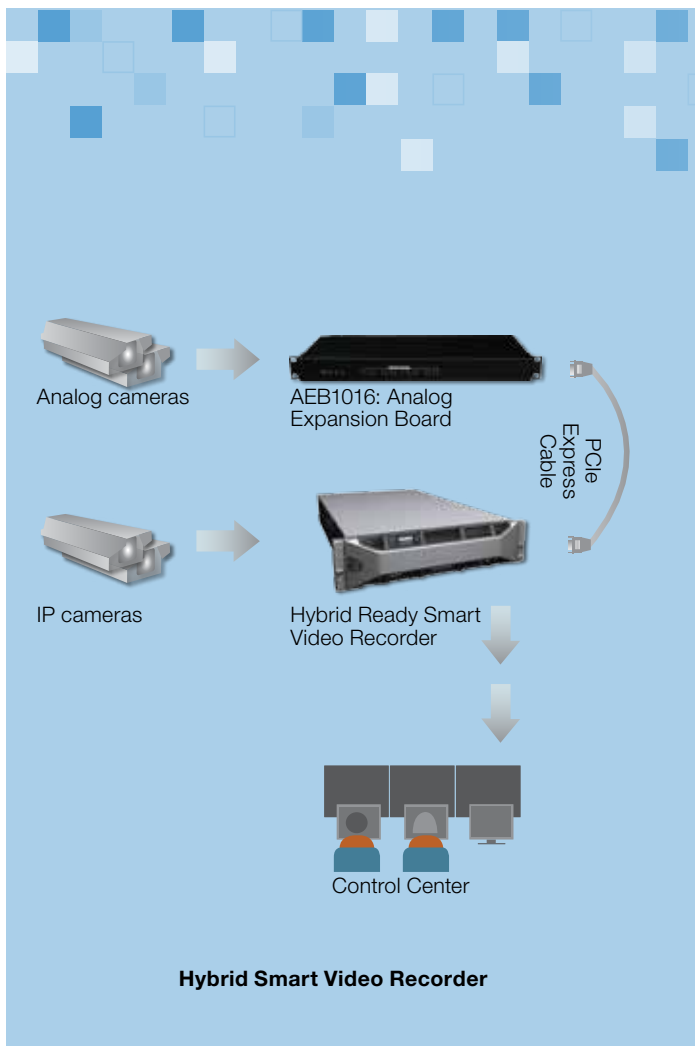
NiceVision's Hybrid SVR is based on the SVR9000's leading technology, with the benefits of both the NVR and DVR. The Hybrid SVR offers a higher channel density when compared to DVR solutions, in addition to NiceVision's advanced features such as video analytics (VA), camera tampering (CT), visual parameter optimizer (VPO), IP plug-in, and support for megapixel cameras.

Cost-effective migration, at your pace

The Hybrid SVR offers a smooth and cost-effective migration path from analog to IP, and you can go about this transition one box at a time. It lowers network overload when compared to encoder-based solutions. Its solution architecture also enables analog inputs to benefit from all of NiceVision's advanced features.

NiceVision Hybrid SVR benefits

- **Evolutionary** – supports both analog and IP cameras, allowing you to make the IP transition according to your needs
- **Flexible** – grow or expand your system at your own pace with any combination of analog and IP channels
- **Protects investment** – allows you to keep legacy analog cameras while boosting their capabilities
- **Enables the latest functionality** – the server-based Hybrid SVR supports value-added solutions such as video analytics (VA), connectivity to numerous IP cameras through an IP plug-in and video-quality features
- **Reduced TCO** – uses far less rack space and network resources
- **Increased analog capacity** – supports up to 64 analog channels
- **Easy expansion** – increase analog channels from 16 up to 64
- **Simple installation** – a cable connection is all that is necessary; no need to open the server or perform any complex changes
- **Redundant** – optional with 1+1 configuration



Analog expansion board (AEB) 1016 specifications

General	
Maximum performance	16 channels x 4CIF@25/30 fps
Video compression	H.264 (Baseline & Main profiles)
Resolution sizes	4CIF, 2CIF, CIF
PTZ Control (Serial port)	2 x RS485/422
Alarm Input/Outputs/Relay	16 / NA / 4
Audio-in	16 audio-in channels at PCM compression
Management	
Configuration	NiceVision ControlCenter
Environmental data	
Weight	2.5 Kg
Dimensions	442 mm x 44 mm x 189.3 - mm (W x H x D)
Input voltage	12VDC
Operating temperature (°C\°F)	0° - 60 °C \ 32° - 140 °F
Humidity	20% - 85%
General	
Video authentication	Yes
Optional accessories	Rack mount kit

Hybrid ready smart video recorder specifications

Platform	SVR9100H	SVR9200H	SVR9420H	SVR9620H
Video recorder				
Maximum number of supported channels	128			
Maximal Recording Performance	32Mbps	128Mbps	256Mbps	256Mbps
Maximum number of analog inputs	16	32	64	
Camera tampering (CT) and Video parametr optimizer (VPO) - # of supported channels	16	128		
Max Number of VA Channels (CIF@HRT)*	2	8	12	40
Supported resolutions	<ul style="list-style-type: none"> • WQXGA (2560x1600) • QXGA (2048x1536) • HD 1080 (1920x1080) • UXGA (1600x1200) • SXGA (1280x1024) • WXGA (1280x960) • HD 720 (1280x720) • Full D1(720x480, 720x576) • 4CIF (704x576, 704x480) • 2CIF (704x288, 704x240) • CIF (352x288, 352x240) • VGA (640x480) • QVGA (320x240) 			
Video compression	Standard channels H.264, MPEG4, H.263, H.263+, MJPEG, MxPEG • VA channels - H.264, MPEG4			
Audio compression	G.711			
Audio support	Bi-directional support (Audio-in, Audio-out and Bi-directional)			
PTZ Support	Network PTZ camera, Analog camera through encoder or analog expansion board			
Maximal storage capacity	4TB	4TB	22TB	
Storage options	Internal un-raided	Internal un-raided	Internal RAID-5	
Advanced storage options	CSS (NiceVision Central Storage Server)			
Triggers interface	Software API or via edge devices			
Inputs				
IP	Broad range of IP cameras and encoders			
Analog	Direct connectivity to analog inputs with AEB1016			
Video analytics				
Video analytics	✓			
Technical specifications				
Operating system	Windows 7 Embedded Standard, Installed on HDD	Windows 2008 R2 standard Edition. Installed on HDD	Windows 2008 R2 standard Edition. Installed on RAID5	
CPU	Intel Dual Core (E5300)	Intel Quad Core 2.53GHz (X3440)	Intel Xeon Quad Core 2.4GHz (E5620)	Two intel Xeon Quad core 2.4GHz (E5620)
RAM	4GB	4GB	3GB	6GB
Network redundancy	N/A		✓	
Power consumption (maximal)	100/240V 300 Watt	110/220V 250 Watt	110/220V 750 Watt	
Heat dissipation (btu/h)	1204	518.7	1065	1341
Dimensions				
H x W x D	10.93 x 39.65 x 34.91 (cm) 4.30" x 15.61" x 13.75"	4.26 x 43.1 x 39.37 (cm) 1.68 x 16.97 x 15.47 (in) 1 rack unit	8.67 x 44.52 x 66.46 (cm), 3.42 x 17.53 x 26.17 (in) 2 rack units	8.67 x 44.52 x 66.46 (cm), 3.42 x 17.53 x 26.17 (in) 2 rack units
Weight (maximum configuration)	9.38 Kg (20.60 lbs)	8.1 Kg (17.85 lbs)	34.5 Kg (76.059lbs)	34.5 Kg (76.059lbs)
Accessories				
Rack mount kit	N/A		✓	
Redundant power supply	N/A	-		✓
Environmental data				
Operating temperature	10° - 45°C (50° - 113°F)	10° - 35°C (50° - 95°F)		
Operating humidity	20% - 80% (non-condensing)			
Electromagnetic compatibility**	<ul style="list-style-type: none"> • ACMA or C-Tick (Australia/New Zealand) class A • BELLIS (Belarus) Class A • KVALITET (Bosnia & Herzegovina, Montenegro, Serbia) Class A • ICES (Canada) class A • CNCA or CCC (China) class A • KONCAR (Croatia) Class A • CE (EU) class A • SII (Israel) class A • VCCI (Japan) class A • OTAN – CKT (Kazakhstan) Class A • INSM (Moldova) Class A • NEMKO (Norway) class A • GOST (Russia) Class A • SABS (South Africa) Class A • KCC (South Korea) Class A • BSMI (Taiwan) class A • UKRTEST (Ukraine) Class A • FCC (United States) Class A • STZ (Uzbekistan) Class A • ICT (Vietnam) Class A 			
Product safety	<ul style="list-style-type: none"> • AM (Argentina) • BELLIS (Belarus) • SCC (Canada) • CNCA or CCC (China) • KONCAR (Croatia) • CE (EU) • TUV (Germany) • IECEE CB • SII (Israel) • OTAN – CKT (Kazakhstan) • KEBS (Kenya) • NYCE or NOM (Mexico) • INSM (Moldova) • SONCAP (Nigeria) • NEMKO (Norway) • GOST (Russia) • KSA ICCP (Saudi Arabia) • NRCS (South Africa) • BSMI (Taiwan) • UKRTEST (Ukraine) • NRTL (USA) • STZ (Uzbekistan) 			
Environmental	ROHS • REACH • China ROHS • EU Directive 2006/66/ EC			
Ergonomics, Acoustics and Hygienics	GS (Germany) • GOST (Russia)			

* Recording performance with VA processing is lower compared to standard recording

** All EMC certificates for SVR9100 are Class B

ABOUT NICE

NICE Systems (NASDAQ: NICE), is the worldwide leader of intent-based solutions that capture and analyze interactions and transactions, realize intent, and extract and leverage insights to deliver impact in real time. Driven by cross-channel and multi-sensor analytics, NICE solutions enable organizations to improve business performance, increase operational efficiency, prevent financial crime, ensure compliance, and enhance safety and security. NICE serves over 25,000 organizations in the enterprise and security sectors, representing a variety of sizes and industries in more than 150 countries, and including over 80 of the Fortune 100 companies. www.nice.com.

ABOUT NiceVision

NiceVision helps leading organizations enhance their security operations and improve performance using intelligent digital video solutions. NiceVision integrates real-time analysis, IP networking, recording and management to enable automatic threat detection, instant verification, event resolution and effective investigation.

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