

TOTAL SECURITY SOLUTIONS

960H DVR



960H Series DVR Features

High Quality image

960H Real time Recording

Easy GUI

It extremely easy to set-up and use DVR



Massive Storage space & Extension

Compatible with Max 4TB HDD and e-SATA for external storage. AUTO USB backup for more Storage extension.



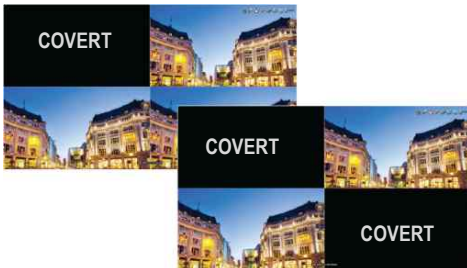
Advance event notification

DVR sends not only text but also image notification in case of events



Smart User control

Up to 20 users can be generated. Different access authority & camera covert setup by each user

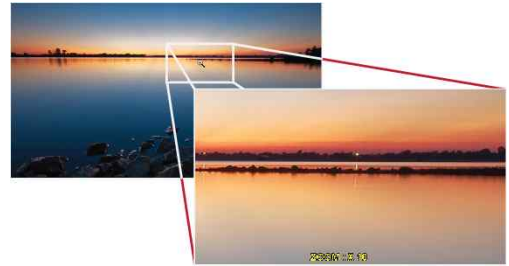


Easy Network

UPNP (universal plug & play) support and automatic DDNS domain creation without port-forwarding setup on router. So, DVR can be connected to outer Network



Digital Zoom X10 in live & Playback



Various Network viewer application

IE Web monitoring, Java viewer for Safari, Firefox and more, Simple Net-client S/W and NETMMS S/W for more strong Central monitoring System.



Smart phone view application

Live monitoring with 1,4,9,16ch split mode
Pan/Tilt /Zoom control
Calendar/time/event search on mobile phone
Intuitive control using touch & buttons



NS 2004-N / 2008-N / 2016-N

4/8/16CH 960H Compact DVR

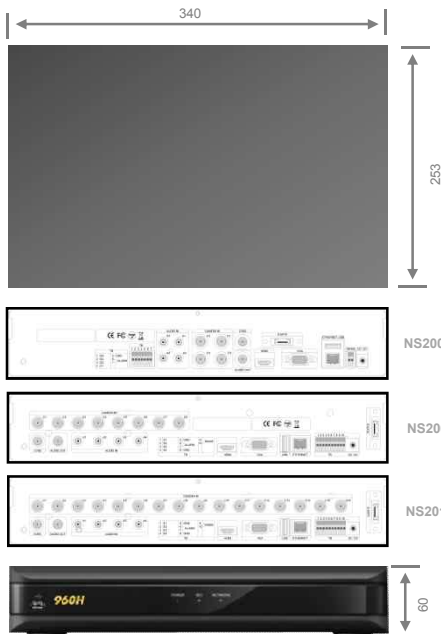


Key Features

- 960H Recording
- Max. 1HDDs
- E-SATA for extension of storage
- Smart phone support
- Easy Interface / Strong Network

Dimensions

Unit : mm



MODEL		NS2004-N	NS2008-N	NS2016-N
DISPLAY				
Live	Resolution	1920 x 1080 or 1024 x 768		
	Display Mode	1, 4	1, 4, 9	1, 4, 9, 16
	Digital Zoom	Up to x 10		
INTERFACE				
Video In	Input(BNC)	4CH	8CH	16CH
	HDMI	1		
Video Out	VGA	1		
	Composite	1 (Selectable by Spot or Live)		
Audio	Input(RCA)	4	4	4
	Output	1 (HDMI, RCA)		
Interface	USB 2.0	2		
	RS-485	1		
	E-SATA	1		
	Ethernet	1		
	Sensor Input	4		
	Alarm Output	1 Relay		
	SATA	1 x SATA HDD (Max. 4TB)		
PERFORMANCE				
Compression Algorithm		Video : H.264, Audio : G726		
Operating System		Embedded Linux		
Multi-Operation		Pentaplex (Live, Recording, Playback, Backup, Network)		
Recording	960x480(960x576)	Up to 120(100)fps	Up to 240(200)fps	Up to 240(200)fps
	704x480(704x576)	Up to 120(100)fps	Up to 240(200)fps	Up to 240(200)fps
	352x240(352x288)	Up to 120(100)fps	Up to 240(200)fps	Up to 240(200)fps
	Max.fps/ch	30(25)fps/CH		15(12)fps/CH
	Mode	Manual / Continuous / Schedule / Motion / Sensor & Pre/Post, Panic		
	Pre-alarm	0~30sec		
	Post-alarm	0~120sec		
Playback	Search	Search by Time, Calendar, Events, Thumbnail and First/Last Search		
	Speed	1x, 2x, 4x, 8x, 32x, 128x		
Backup	Backup Device	USB Memory Stick/HDD, Backup by Network		
	Backup File Format	AVI (With or Without Timestamp), PS (Playback in Backup-Viewer)		
Events & Alarm		Email & FTP Notification / Alarm-out / Buzzer for Events & Video Loss Warning Message & Buzzer for HDD Over-Temperature		
Network	Transmission	Video Dual-Stream (Local recording & Network Transmission) Bandwidth adjustable (64/128/256/512Kbps, 1/2/4/10Mbps, Unlimited)		
	Netclient/Web(I.E.)	Live, Playback, Backup, PTZ, DVR Setup		
	Mobile Viewer	Supported by Android OS, iOS(Iphone)		
GENERAL				
Power		DC12V / 3 A		
Storage temperature & humidity		-20~60 °C / 20~95% RH		
Operating temperature & humidity		5~40 °C / 20~80% RH		
Dimension (W x D x H)		340 X 253 X 60 mm		
Weight		3kg		

NS 6004-N / 6008-N / 6016-N

4/8/16CH 960H Real-time Recording DVR



Key Features

- 960H Real-time Recording
- Max. 4HDDs (4TB each)
- E-SATA
- DVD-RW (Optional)
- Smart phone support
- Easy Interface / Strong Network

Dimensions

Unit : mm



NS6004-N



NS6008-N



NS6016-N



MODEL		NS6004-N	NS6008-N	NS6016-N
DISPLAY				
Live	Resolution	1920 x 1080 or 1024 x 768 (by rear DIP switch)		
	Display Mode	1, 4	1, 4, 9	1, 4, 9, 16
	Digital Zoom	Up to x 10		
INTERFACE				
Video In	Input(BNC)	4CH	8CH	16CH
	HDMI	1		
Video Out	VGA	1		
	Composite	1(Spot or Live)		
Audio	Input(RCA)	4	8	16
	Output	1 (HDMI, RCA)		
Interface	USB 2.0	2		
	RS-485	1		
	E-SATA	1		
	Ethernet	1		
	Sensor Input	4		
	Alarm Output	1 Relay		
SATA	Max. 4 x SATA HDD or Max. 2 x SATA HDD + ODD			
PERFORMANCE				
Compression Algorithm		Video : H.264, Audio : G726		
Operating System		Embedded Linux		
Multi-Operation		Pentaplex (Live, Recording, Playback, Backup, Network)		
Recording	960x480(960x576)	Up to 120(100)fps	Up to 240(200)fps	Up to 480(400)fps
	704x480(704x576)	Up to 120(100)fps	Up to 240(200)fps	Up to 480(400)fps
	352x240(352x288)	Up to 120(100)fps	Up to 240(200)fps	Up to 480(400)fps
	Max.fps/ch	30(25)fps/CH		
	Mode	Manual / Continuous / Schedule / Motion / Sensor & Pre/Post, Panic		
	Pre-alarm	0~30sec		
	Post-alarm	0~120sec		
Playback	Search	Search by Time, Calendar, Events, Thumbnail and First/Last Search		
	Speed	1x, 2x, 4x, 8x, 32x, 128x		
Backup	Backup Device	USB Memory Stick/HDD, DVD-RW & Backup by Network		
	Backup File Format	AVI (With or Without Timestamp), PS (Playback in Backup-Viewer)		
Events & Alarm		Email & FTP Notification / Alarm-out / Buzzer for Events & Video Loss Warning Message & Buzzer for HDD Over-Temperature		
Network	Transmission	Video Dual-Stream (Local recording & Network Transmission) Bandwidth adjustable (64/128/256/512Kbps, 1/2/4/10Mbps, Unlimited)		
	Netclient/Web(I.E.)	Live, Playback, Backup, PTZ, DVR Setup		
	Mobile Viewer	Supported by Android OS, iOS(Iphone)		
GENERAL				
Power		DC12V 5 A		
Storage temperature & humidity		-20~60 °C / 20~95% RH		
Operating temperature & humidity		5~40 °C / 20~80% RH		
Dimension (W x D x H)		380 X 342 X 67 mm		
Weight		5.5kg		

NS8008-N / 8016-N

8/16CH 960H Real-time Recording DVR

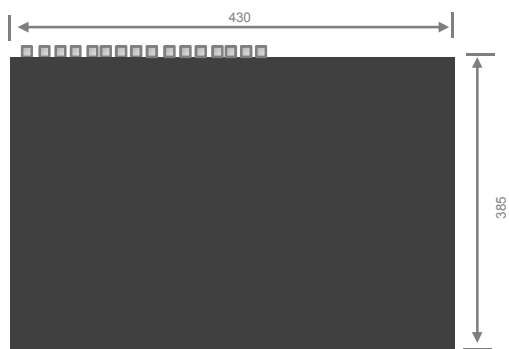


Key Features

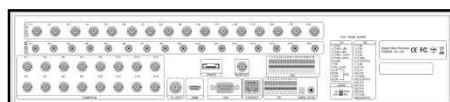
- 8/16ch 960H Real-time Recording
- Video Loop-Out
- Max. 4HDDs with DVD-RW
- e-SATA and USB AUTO Backup
- DVD-RW (Optional)
- Smart phone support
- Easy / Strong Network
- POS, Jog control

Dimensions

Unit : mm



NS8008-N



NS8016-N



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MODEL	NS8008-N		NS8016-N	
DISPLAY				
Live	Resolution	1920 x 1080 or 1024 x 768 (by rear DIP switch)		
	Display Mode	1, 4, 9	1, 4, 9, 16	
	Digital Zoom	Up to x 10		

INTERFACE				
Video In	Input(BNC)	8CH	16CH	
	HDMI	1		
Video Out	VGA	1		
	Composite	1(Spot or Live)		
	Loop(BNC)	8	16	
Audio	Input(RCA)	8	16	
	Output	1 (HDMI, RCA)		
Interface	USB 2.0	2		
	RS-485	1		
	E-SATA	1		
	Ethernet	1		
	Sensor Input	8	16	
	Alarm Output	1 Relay + 1TTL	1 Relay + 3TTL	
	SATA	Max. 4 x SATA HDD + ODD		

PERFORMANCE		
Compression Algorithm	Video : H.264, Audio : G726	
Operating System	Embedded Linux	
Multi-Operation	Pentaplex (Live, Recording, Playback, Backup, Network)	
Recording	Record rate	Up to 480fps@960X480(NTSC) / Up to 400fps@960X576(PAL) Up to 480fps@704X480(NTSC) / Up to 400fps@704X576(PAL) Up to 480fps@352X240(NTSC) / Up to 400fps@352X288(PAL)
	Max.fps/ch	30fps/CH (NTSC) / 25fps/CH (PAL)
	Mode	Manual / Continuous / Schedule / Motion / Sensor & Pre/Post, Panic
	Pre-alarm	0~30sec
Playback	Post-alarm	0~120sec
	Search	Search by Time, Calendar, Events, Thumbnail and First/Last Search
Backup	Speed	1x, 2x, 4x, 8x, 32x, 128x
	Backup Device	USB Memory Stick/HDD, DVD-RW & Backup by Network
Events & Alarm	Backup File Format	AVI (With or Without Timestamp), PS (Playback in Backup-Viewer)
	Events & Alarm	Email & FTP Notification/Alarm-out/Buzzer for Events & Video Loss Warning Message & Buzzer for HDD Over-Temperature
Network	Transmission	Video Dual-Stream (Local recording & Network Transmission) Bandwidth adjustable (64/128/256/512Kbps, 1/2/4/10Mbps, Unlimited)
	Netclient/Web(I.E.)	Live, Playback, Backup, PTZ, DVR Setup
	Mobile Viewer	Supported by Android OS, iOS(Iphone)

GENERAL	
Power	DC12V 5 A
Storage temperature & humidity	-20~60 °C / 20~95% RH
Operating temperature & humidity	5~40 °C / 20~80% RH
Dimension (W x D x H)	430 X 385 X 87 mm
Weight	7.5kg