



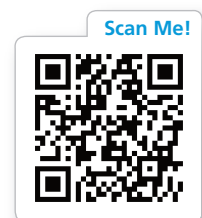
Network Devices

4 and 8 Channel H.264 HD1080p Embedded NVRs

NR-HL Series

Highly reliable and affordable embedded NVRs with 4 or 8 channel H.264 HD recording. Featured with Linux-embedded architecture, the NR-HL Series is more reliable than traditional PC-based solutions. All of the professional surveillance functions are embedded in the NVR without any extra software required. Simply plug and play **Ganz PixelPro** IP cameras with no configuration required.

- HD 1080p recording - up to 240 fps (8 Ch) / 120 fps (4 Ch)
- Triplex operation
- Efficient H.264 compression
- Remote viewer: PC and web based remote agent, smartphone application
- Built-in PoE switching HUB
- Automatic router port forwarding
- Remote F/W upgrade
- Full HD GUI
- Monitoring for fan failure and temperature
- HDD failure notification (S.M.A.R.T)



NR-HL Series 4 and 8 Channel H.264 HD 1080p Embedded NVR

■ Specifications

	Models - HDDs	NR4HL-2TB / NR4HL-4TB	NR8HL-2TB / NR8HL-4TB
Monitoring	Display Rate	HD 1080p 120 FPS	HD1080p 240fps
	Display Resolution	HD 1080p (HDMI)	
	Display Mode	1, 4, Sequence, Digital Zoom, Covert	1,4,6,8,9
Recording	Video Compression	H.264	
	Audio In/Out	In - 4 Ch (from IP Camera) Out - 1 Ch/ 1 Mic	In - 8 Ch (from IP Camera) Out - 1 Ch/ 1 Mic
	Audio Compression	G.711	
	Recording Resolution	HD 1080p, HD 720p, D1, CIF	
	Recording Rate	Max. 30 FPS@1080p/Ch	
	Schedule Method	Daily, Weekly, Hourly	
	Post-Event Recording	5, 10, 15, 20, 30, 60, 180 Sec	
	Pre-Event Recording	0, 1, 2, 3, 4, 5, 10, 30 Sec	
	Event Logging	Motion, Alarm, Panic, Vloss	
	System Logging	All System Operations	
	Setup Logging	Setup Changed	
	Remote Logging	User, IP Address, Remote Operations	
Search and Playback	Display Mode	1, 4	1, 4, 9
	Playback Rate	Up To 120 FPS	Up To 240 FPS
	Playback Speed	X1, X2, X4, X16, X32, X64	
Network	Event Popup	Alarm / Motion	
	Network Connections	4 Users	8 Users
	Transmission Rate	MAX 120FPS	MAX 240FPS
	Remote Agent	Windows, Mac	
	Smart Phone App.	iPhone, iPad, Android, Windows Mobile 7	
	Network	WS-Discovery, RTP, RTSP, RTCP, SMTP, NTP, HTTP, FTP, DDNS, DHCP, UPnP (Router Port Forwarding)	
System	Operating System	LINUX®	
	Network Time Sync	Auto time sync via NTP	
	DST	Auto DST support	
	F/W Upgrade	Network upgrade	
	Setup Import/Export	User Configuration Data Import/Export	
	System Control	USB Mouse	
Video	Languages	Multi-Language	
	Video Input	4 x IP Camera (Max HD1080p)	8 x IP Camera (Max HD1080p)
	Video Resolution	HDMI 1080p	
Alarm	Video Motion Detection	Camera side	
	Alarm In / Alarm Out	In - MAX 4 Ch (IP) + 2 Ch (Internal) Out - MAX 4 Ch (IP) + 1 Relay (Internal)	In - MAX 8 Ch (IP) + 2 Ch (Internal) Out - MAX 8 Ch (IP) + 1 Relay (Internal)
Storage & Archiving	Storage/Interfaces	Internal HDD (2), External (NAS, iSCSI (TBD), FTP), HDD Failure Notification (S.M.A.R.T.)	
	Archiving	USB Memory, FTP	
	Remote Archiving	WEB RA, VMS, FTP	
	Backup Data Format	AVI, RAW	
Additional	Interfaces	USB Ports (2), RS-485 (1), RS-232 (1), Main Monitor HDMI	
	Front Panel	USB Mouse	
	IR Controller	Remote Control	
	HDD Viewer	Multi-Viewer @ Windows XP, Vista, 7	
	LAN	4 (IP Camera, PoE) + 1 (LAN) + 1 (WAN)	8 (IP Camera, PoE) + 1 (LAN) + 1 (WAN)
	Health Monitoring	Hardware Watchdog	
Physical	Cooling Fan	1	
	Power Supply	12V Adaptor for NVR, 48V Adaptor for PoE	
	Consumption	20W (without HDD)	
	Temperature/Humidity	32°F~104°F (0°C ~ 40°C) / 10~90% non-condensing	
	Dimensions	12"x 11.7" x 1.7" (1U) (305mm x 298mm x 44mm)	
	Weight	16.1 lbs. (7.3 kg)	

All specifications are subject to change without notice