



Embedded NVR

8 and 16 Channel H.264 HD 1080p Recording

PIXELMASTER PRO Series

The highly reliable and affordable embedded NVRs with 8 or 16 channel H.264 HD recording. Featured with Linux-embedded architecture, the **PixelMaster** 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 480 fps (16Ch) / 240 fps (8 Ch)
- Efficient H.264 compression
- 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)
- Remote viewer: PC & web based remote agent, smartphone application

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The NR16H features an external 8-channel Extension PoE hub



Front and rear views of NR16H

Specifications

Models / HDDs		NR8H / 3TB-15TB HDD	NR16H / 3TB-15TB HDD
Monitoring	Display Rate	1080p 240 FPS	1080p 480 FPS
	Display Resolution	HD 1080p (HDMI)	
	Display Mode	1, 4, 6, 8, 9	1, 4, 8, 9, 16
Recording	Video Compression	H.264	
	Audio In/Out	In - 8 Ch (from IP Camera), 1 Mic / out - 1 Ch	In - 16 Ch (from IP Camera), 1 Mic / out - 1 Ch
	Audio Compression	G.711	
	Recording Resolution	1080p, 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, 15 Sec	
	Event Logging	Motion, Alarm, Panic, Video Loss	
	System Logging	All System Operations, Time Change, HDD/E-mail Operations	
	Setup Logging	Setup Changed	
	Remote Logging	User, IP Address, Remote Operations	
Search and Playback	Display Mode	1, 4, 9	1, 4, 9, 16
	Playback Rate	Up To 240 FPS	Up To 480 FPS
	Playback Speed	x1, x2, x4, x16, x32, x64	
Network	Event Popup	Alarm / Motion	
	Network Connections	8 Users	8 Users
	Transmission Rate	MAX 240FPS	MAX 480FPS
	Remote Agent	Windows	
	Smart Phone App.	iPhone, iPad, Android	
	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	USB / Network upgrade	
	Setup Import/Export	User Configuration Data Import/Export	
	System Control	USB Mouse & Remote (included)	
Video	Languages	Multi-Language	
	Video Input	8 IP Camera (Max 1080p)	8 IP Camera (Max 1080p) + 8 *External PoE <i>*External 8-channel Extension PoE Hub included w/ NR16H</i>
	Video Resolution	1080p	
Alarm	Video Motion Detection	Camera side	
	Alarm In / Alarm Out	In - MAX 8 Ch (IP) + 2 Ch (Internal) Out - MAX 8 Ch (IP) + 1 Relay (Internal)	In - MAX 16 Ch (IP) + 2 Ch (Internal) Out - MAX 16 Ch (IP) + 1 Relay (Internal)
Storage & Archiving	Storage/Interfaces	Internal HDD (5) 3-15TB, External (NAS, eSATA, 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 (3), RS-485 (1), RS-232 (1), Main Monitor HDMI, VGA	
	Front Panel	USB Mouse	
	IR Controller	Remote Control	
	HDD Viewer	Multi-Viewer @ Windows XP, Vista, 7	
	LAN	8 (IP Camera, PoE) + 1 (LAN) + 1 (WAN)	16 (IP Camera, PoE) + 1 (LAN) + 1 (WAN)
	Health Monitoring	Hardware Watchdog	
Physical	Cooling Fans	2	
	Power Supply	12V Adaptor for NVR, 48V Adaptor for PoE	12V Adaptor for NVR, 48V adaptor for PoE (additional 48V adaptor for external hub)
	Power Consumption	25W (without HDD)	
	Temperature/Humidity	32°F~104°F (0°C ~ 40°C) / 10~90% non-condensing	
	Dimensions	16.9" x 14.2" x 3.5" (430 x 360 x 88 mm) 2 RU	
	Weight	9lbs. / 4.1 kg (without HDD)	
	Certifications	UL, FCC, CE, RoHS, Weee	

All specifications are subject to change without notice