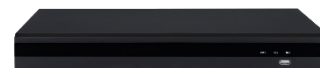# HD-NVR (PoE)

FN-5100 Series

HD-NVR with Built-in PoE (Max. 16Ch)

- **Plug & Play** with **Built-in PoE** (Max. 16ch)
- **IEEE 802.3 at : Auto Power Distribution to each PoE Port (Max. 30W/PoE Port)**
- **ONVIF Compatible & Auto IP Camera Detection/Registration**
- **Dual(Main & Sub) Stream Recording/Display**
- **System Performance Monitoring** (Bandwidth & Network Status, etc.)
- **P2P Function** that doesn't require Port Forwarding
- **iSCSI** function Support – External HDD through Network
- **Smart Search** – Multiple search by time & minutes' base
- **Link Local (Zero Configuration)** Supports
- **H.264 & H.265** Supports
- **Major AI Camera functions** : LPR / Face Recognition / Thermal /
  People Counter / Object Recognition, etc.

[FN-5104]

[FN-5108/5116]

MODEL		FN-5104 (4Ch)	FN-5108 (8Ch)	FN-5116 (16Ch)
Max. HDD Bay		2 x SATA HDD	4 x SATA HDD	4 x SATA HDD
Operating System		Embedded Linux		
IP Camera	Ch	4 ch + 5 ch(additional)	8 ch + 1 ch (additional)	16 ch
	Protocol	FOCUS, ONVIF		
	No. of PoE	4 Ch	8 Ch	16 Ch
	PoE Type	100Mbps, 802.3at	100Mbps, 802.3at	1000Mbps, 802.3at
Display	Speed	270fps	270fps	480fps
	Screen Mode	1, 2, 3, 4, 6, 8, 9	1, 2, 3, 4, 6, 8, 9	1, 2, 3, 4, 6, 8, 9, 10, 13, 16
Video-In		IP Camera (Up to 4K UHD)		
Video-Out	Monitor	HDMI & VGA		
	Resolution	HDMI: 1024*768, 1280*1024, 1280*720, 1920*1080, 2560*1600, 3840x2160 (4K) VGA: 1024*768, 1280*1024, 1280*720, 1920*1080 (Selectable)		
Recording Speed	CIF ~ 1080P	270fps	270fps	480fps
	1920P	270fps	270fps	480fps
	2160P	270fps	270fps	480fps
RAID		RAID 0, 1 support		
Recording Resolution		Main Stream(up to 4K) & Sub Stream		
Recording Modes		Continuous, Scheduled, Sensor-Activated & Motion Detection Recording Pre & Post Alarm Recording, Emergency Recording, Quick Backup		
Playback & Search	Speed	x1, x2, x4, x8, x16, x32, x64, x99		
	Ch & Resolution	1 & 4 : Main Stream, 9 & 16 : Sub Stream		
	Function	Intelli-Search by Time Bar, Calendar (Date & Time) and Event Search		
Audio Input / Output		1 Ch / 1 Ch		
Alarm Input / Relay Output		4 Ch / 1 Ch	8 Ch / 1 Ch	16 Ch / 4 Ch
P/T/Z Control		RS-485 / ONVIF	RS-485 / ONVIF	RS-485 / ONVIF
LAN		1EA Gigabit Ethernet (RJ45) - Fixed IP, DHCP & DDNS		
Network Protocol		IPV4, TCP/IP, DHCP, HTTP, RTSP, STMP, FTP, Zero Configuration, NTP, DDNS		
Network bandwidth (Max)		80Mbps	80Mbps	160Mbps
Network Function		1) Dual-Stream (Local Recording & Network Transmission) 2) Dual-Recording(Live Display / Playback) 3) Live Monitoring, Remote Playback and File Backup (Triplex-on-Remote) 4) Time Synchronization by NTP Server ("pool.ntp.org") 5) Remote & E-Mail Notification, Remote System Reboot by IE, Remote PTZ Control 6) P2P Service (No Port forwarding required)		
Remote Management	Software	UVMS & MV3000 (Mobile App)		
	Web (IE)	Live Monitoring, Playback & System Configuration		
Backup Device		Local Backup by USB ODD, Network Backup by CMS, File Upload to FTP Server		
System Recovery after Power Failure		Auto-Reboot and Journaling File System		
Advanced Functions		1) Firmware Upgrade by USB & CMS over Network 2) Import & Export of Setting Value, Water-Mark, AVI File Backup 3) Quick Setup to designate Recording Period 4) HDD SMART Info (Model, Capacity, Bad Sector, Temperature, Used Period) 5) Warning Alarm for System Over-Temperature 6) Help Message for easy setup & Multi-Language support 7) Digital Zoom for both Live & VOD mode 8) Smart Search		
POS		Text-in Based (USB to Serial support, TCP/IP Network)		
System Operation		USB Mouse, Keyboard (Option)		
Power		48V 1.875A DC (180W)	110~240V AC (300W)	110 ~240V AC (300W)
Operating Temperature and Humidity		5~40 ℃ / 20~90% RH		
Dimension (WxDxH)		385 × 315 × 52 mm (1U)	445 × 400 ×71 mm (1.5U)	445 × 400 ×71 mm (1.5U)
Certification		CE & FCC & KCC & WEEE, RoHS		