

# None PoE NVR

# HVR-FN616N

16Ch Real Time Display and Real Time Recording  
 ONVIF Compatible & Auto IP Camera Detection/Registration  
 Intelligent 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 I-Reference Supports



[HVR-FN616N]

MODEL		HVR-FN616N
Max. HDD Bay		4 x SATA HDD
Operating System		Embedded Linux
IP Camera	Channel	16 Ch
	Protocol	ONVIF
	No. of PoE	None
	Resolution	Up to 8M (4K )
Display	Speed	Real time
	Screen Mode	1, 4, 9, 16
Video-In		IP Camera (Up to 4K UHD)
Video-Out	Monitor	VGA & HDMI
	Resolution	1024x768, 1280x1024, 1920x1080, 2560x1440, 2560x1600, 3840x2160(4K) (Selectable)
Recording Speed	CIF ~ 1080P	480fps
	1920P	480fps
	2160P	480fps
Recording Resolution		Main Stream(up to 4K) & Sub Stream
<b>Throughput (Max. Bandwidth)</b>		<b>160Mbps</b>
Recording Modes		Continuous, Motion, Sensor, Continuous +Motion, Continuous +Sensor, Motion + Sensor Pre & Post Alarm Recording, Emergency Recording, Quick Backup
Playback & Search	Speed	x1, x2, x4, x8, x16, x32, x64, x99
	Ch & Resolution	1 & 4 & 9 & 16: Main Stream, More than 25channels mode : Sub Stream
	Function	Search by Time Bar, Calendar (Date & Time) and Event Search, Smart Search, Advanced Smart Search
Simultaneous Playback		Real time Playback
Sensor in /Relay Output		16Ch / 4 Ch
P/T/Z Control		RS-485, ONVIF
LAN		Gigabit Ethernet (RJ45) x 2EA, Fixed IP, DHCP & DDNS, DHCP server embedded
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	CMS & 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) Easy Setup by Startup Wizard 4) HDD SMART Info (Model, Capacity, Bad Sector, Temperature, Used Period) 5) Tool for System Performance Monitoring at a glance 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		Front Button, IR Remote Controller, USB Mouse, Keyboard (Option)
Power		110~240V A/C (80W)
Operating Temperature and Humidity		5~40 °C / 20~90% RH
Dimension (WxDxH)		445 × 400 × 71 mm (1.5U)
Certification		CE & FCC & KCC & WEEE, RoHS

(\*) Specification is subject to change without prior notice.

