



## 16 Channel 4K Embedded NVR

**PIXEL**   
**MASTER**

# NR-16F82-16P

### Features:

- Supports 4K Live Display
- Up to 4K Recording
- 2TB-8TB HDD
- Automatic Router Port Forwarding
- FW Upgradeable by USB or Network
- Supports P2P - Network Setup by QR Code Scan
- Network Ports (WAN/LAN) - 2 each
- HDD Failure Notification (S.M.A.R.T)
- PC & Web-based Remote Agent, Smartphone Applications
- Plug and Play PixelPro IP Cameras with No Configuration Required
- NDAA Compliant

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## ■ Specifications

MODEL	NR-16F82-16P - 16 Channels	
Video	Input Signal	16 x IP Camera (Max 8MP)
	Main Monitor	VGA or HD Display
	Main Monitor Resolution	2160p / 1080p / 720p / SXGA
	Spot	1 CVBS
	Motion Detection	Yes (From IP Camera)
Audio	Input Signal	16 CH (From IP Camera)
	Output Signal	1CH
	Microphone	1CH
	CODEC	G.711
Recording	Recording CODEC	H.264 / H.265
	Rec. Rate	Max. 30 FPS@9MP/CH (Depends on IP Camera)
	Rec. Resolution	Max. 9MP (Depends on IP Camera)
Alarm I/O	Alarm Input	16 CH (IP) (Depends on IP Camera) / 8 IN
	Alarm Out	16 CH (IP) + 1 RELAY (Internal) (Depends on IP Camera)
Storage	Internal HDD	2 EA
	External Storage	-
	Internal ODD	NONE
Interface	USB	2 Ports
	Interface	1 RS-485
	LAN	16 (IP Camera, PoE [802.3at]) + 1 (LAN) + 1 (WAN)
	Remote Control	YES
Hub	Network	-
	Total PoE Power	-
	Manageable by IPX	-
	Adapter	-
Additional	Watchdog	YES
	Cooling Fan	1EA
Power	Power Supply	SMPS 51V 200W
	Power Consumption	16W max. without HDD/CAM
	Power Budget for IP Camera	180W
Environment	Temperature / Humidity	32°F~104°F (0°C ~ 40°C) / 10 ~ 90% NC
Chassis	Dimensions (W x D x H)	1U 15" x 12.4" x 1.7" / 380mm x 314.6mm x 44mm
	Weight	6.1 lbs. (2.75 kg)
Certifications	Certifications	FCC, CE
Monitoring	Display Rate	Up to 480fps/400fps (Real-time)
	Decoding Rate	Max Total 60fps @ 8M
	Display Resolution	2160p / 1080p / 720p / SXGA
	Display Mode	1, 4, 8, 9, 16
	Sequence	Programmable Sequence
	Digital Zoom	YES
	Covert	YES
	Camera Color Control	Yes (Contrast, Hue, Tiny, Brightness) (Depending on IP Camera)
	Camera Image Control	Yes (White Balance, Exposure, Flickerless) Depending on IP Camera
	Audio Monitoring	Yes (From IP Camera)
	Microphone	Yes (MIC to IP Camera)
Record	PTZ Camera Support	YES (IP, RS485)
	Schedule Method	Daily/Weekly Each Hour
	Programmable For Ch	Yes
	Record Time Limit	Yes
	Event Recording	Yes
	Intensive Recording	Yes (Motion / Alarm)
	Pre-Event Recording	0/1/2/3/4/5/10/15 Sec
Search & Playback	Panic Recording	Yes
	Display Mode	1,4,9,16
	Playback Rate	Up To 480FPs
	Playback Speed	X1, X2, X4, X16, X32, X64
	Type	Calendar / Event / Time / Thumbnail
	Playback Zoom	Yes
	Snapshot	Yes (JPEG)

All specifications are subject to change without notice.

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MODEL	NR-16F82-16P - 16 Channels	
Archiving	Archiving Devices	USB Memory, FTP
	Remote Archiving	Yes (WEB RA, VMS, FTP)
	Snapshot Archiving	Yes
	Data Reserving	Yes
	Reserved Data List Management	Yes
	Backup Data Format	AVI, RAW
	Watermark	MD5
	Watermark Verification	Yes
	Archived Data Playback	Yes
Network	Max. Connections	10 Users
	Incoming / Outgoing Bandwidth	148Mbps / 72Mbps
	DHCP, HTTPS, SSL, DDNS	Yes
	Transmission Rate	MAX 480 FPS
	Bandwidth Control	Yes
	Web Browser Access	Yes
	Remote Monitoring, Playback, and Archiving	Yes
	Remote Health Check	Yes
	VMS Support	Yes
	Onvif Camera Support	Yes (Profile-S)
	Two-Way Audio	Yes
	PC Based Remote Agent	Yes
	Smart Phone Application	Yes (iPhone, iPad, Android)
	Web Based Remote Agent	Yes
	SDK	Yes (HTTP Based SDK, PC Codec Library)
	IP Filtering	Yes
	Auto Router Port Forwarding	Yes
	Dual Streaming	Yes
	FTP Client	Yes (For Archiving)
	E-Mail	Yes (SMTP Client)
	Authority Control	Admin / Manager / User
	Auto IP Cam Installation (Plug and Display)	Yes
	Protocols	WS-Discovery, RTP, RTSP, RTCP, S MTP, NTP, HTTP, FTP, DDNS, DHCP, uPNP (Router Port Forwarding), HTTPS, SSL
WiFi	-	
Event & Actions	Alarm Out	Yes
	Event Notification	Yes
	Video Popup	Yes
	Alarm Sensor Event	Yes
	Video Loss Event	Yes
	Motion Detection Event	Yes
	Motion Sensor Area	Dependant on IP Camera
	Disk Event	Yes
	System Event	Yes
	Network Event	Yes
Storage	Disk S.M.A.R.T Check	Yes (Dependant on HDD Spec)
	External Storage	Yes (eSATA, NAS (for Backup))
	Auto Disk Recovery	Yes
	Deleting Partial Data	Yes
User	Group Authority	Yes (Admin / Manger / User)
Additional	Operating System	LINUX®
	F/W Upgrade	Yes (USB / Network)
	Setup Import/Export	Yes
	Keyboard Controller	No
	Backup Viewer	Yes (Multi-channel Playback Support )
	Language	Multi-Language
	Video Analytics	Yes, in combination with 4MP Ganz PixelPro Cameras
AI	SMART Motion	YES (Dependant on IP camera )
	AI Rule R0 Support (Basic AI Rule Setup)	YES (Dependant on IP camera /AIBOX)
	AI Rule R1 Support (Smart Event Receiver)	YES (Dependant on IP camera /AIBOX)

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