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

CBC AMERICA

CBC GROUP

NR-16F82-16P

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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)
	PTZ Camera Support	YES (IP, RS485)
Record	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
	Panic Recording	Yes
Search & Playback	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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■ Specifications

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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