

Network Video Recorder "PixelMASTER" 4K / 8MP Series



PIXEL MASTER

Features:

- Supports H.265 / H.264 codec
- Up to 4K display
- HDMI and VGA Video Output
- Up to Max. 4K recording - Up to 8MP (Depend on IP Camera)
- Supports Various IP Camera by ONVIF
- Supports VA - Various Video Analytics function
- Supports P2P - Direct connection without network setup by QR-code scan
- Monitoring for fan failure and temperature
- HDD failure notification (S.M.A.R.T)
- Remote viewer : PC & web based remote agent, smartphone application

SPECIFICATION



		NR-16F82-16P
VIDEO	VIDEO INPUT	16 x IP Camera (Max 4k)
	MAIN MONITOR	VGA / HD Display
	MAIN MONITOR RESOLUTION	4k/30p / 1080p / 720p / SXGA
	SPOT	1 CVBS
	MOTION DETECTION	Yes (From IP Camera)
AUDIO	INPUT SIGNAL	16CH (From IP Cam)
	OUTPUT SIGNAL	1CH
	MICROPHONE	1CH (Line in)
	CODEC	G.711
RECORDING	RECORDING CODEC	H.264 (BP,MP,HP) / H.265
	REC. RATE	MAX. 25 FPS@8MP/CH (Depend on IP Camera)
	REC. RESOLUTION	MAX. 8MP (Depend on IP Camera)
ALARM I/O	ALARM INPUT	16 CH (IP)(Depend on IP Camera) / 8 IN
	ALARM OUT	16 CH (IP)(Depend on IP Camera) + 1 RELAY (Internal)
STORAGE	INTERNAL HDD	2EA (SATA)
	EXTERNAL STORAGE	-
	INTERNAL ODD	-
INTERFACES	USB	2 ports
	RS-485	1
	RS-232	-
	LAN	16 FE (IP Camera, POE (802.3at)) + 1GE (LAN) + 1GE (WAN)
	REMOTE CONTROL	Yes
HUB	NETWORK	-
	TOTAL PoE POWER	-
	MANAGEABLE by IPX	-
	ADAPTOR	-
ETC	WATCHDOG	Yes
	COOLING FAN	1EA
POWER	POWER SUPPLY	SMPS 51V 200W
	POWER CONSUMPTION	16W max. without HDD/CAM
	Power Budget for IPCAM	180W
ENVIRONMENT	TEMPERATURE	0°C ~ 40°C
	HUMIDITY	10 ~ 90% NC
CHASSIS	DIMENSION	1U / 380(W) x 314.6(D) x 44(H)
	WEIGHT	2,75kg
CERTIFICATION	UL, CUL, FCC, CE	FCC, CE

SPECIFICATION



MONITORING	DISPLAY RATE	Up to 400fps
	DECODING RATE	Max Total 60fps @ 8M
	DISPLAY RESOLUTION	2160p (HDMI), 1080p (VGA), Dual Display (Mirroring)
	DISPLAY MODE	1,4,6,8,9,16
	SEQUENCE	Programmable Sequence
	DIGITAL ZOOM	Yes
	COVERT	Yes
	CAMERA COLOR CONTROL	Yes (CONTRAST, HUE, SATURATION, BRIGHTNESS) (Depend on IP Camera)
	CAMERA IMAGE CONTROL	Yes (WHITE BALANCE, EXPOSURE, FLICKERLESS) (Depend on IP Camera)
	AUDIO MONITORING	Yes (From IP Camera)
	MICROPHONE	Yes (MIC to IP Camera)
	PTZ CAMERA SUPPORT	Yes
RECORD	VIDEO COMPRESSION	H.264 (BP,MP,HP) / H.265
	AUDIO COMPRESSION	G.711
	RECORDING RESOLUTION	Up to 8MP (Depend on IP Camera)
	RECORDING RATE	MAX. 30 FPS@CH
	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 400FPS
	PLAYBACK SPEED	x1, x2, x4, x16, x32, x64
	CALENDAR SEARCH	Yes (2008/1/1 - 2035/12/31)
	EVENT SEARCH	Yes
	THUMBNAIL SEARCH	Yes
	BOOKMARK SEARCH	Yes
	INSTANT PLAYBACK	Yes
	PLAYBACK ZOOM	Yes
	SNAPSHOT	Yes (JPEG)
	TEXT-IN SEARCH	Yes
	AI ANALYTICS SEARCH	Yes

SPECIFICATION



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
	WARTERMARK	MD5
	WARTERMARK VARIFICATION	Yes
	ARCHIVED DATA PLAYBACK	Yes
	NETWORK	MAX. CONNECTIONS
Incomming / Outgoing Bandwidth		148Mbps / 72Mbps
DHCP		Yes
HTTPS		Yes
SSL		Yes
DDNS		Yes
TRANSMISSTION RATE		MAX 400 fps (Depend on IP Camera)
BANDWIDTH CONTROL		Yes
WEB BROWER ACCESS		Yes
REMOTE MONITORING		Yes
REMOTE PLAYBACK		Yes
REMOTE 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, SMTP, NTP, HTTP, FTP, DDNS, DHCP, uPNP (Router Port Forwarding), HTTPS, SSL
WIFI		-

SPECIFICATION



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	Depend on IP CAMERA
	DISK EVENT	Yes
	SYSTEM EVENT	Yes
	NETWORK EVENT	Yes
	POS/ATM EVENT	Yes
	AI ANALYTICS EVENT	Yes
STORAGE	DISK S.M.A.R.T CHECK	Yes (Depend on HDD SPEC)
	EXTERNAL STORAGE	NAS (FTP Server, for Backup)
	AUTO DISK RECOVERY	Yes
	DELETING PARTIAL DATA	Yes
USER	GROUP AUTHORITY	Yes (ADMIN/MANAGER/USER)
ETC	OPERATING SYSTEM	LINUX®
	F/W UPGRADE	Yes (USB / NETWORK)
	SETUP IMPORT/EXPORT	Yes
	KEYBOARD CONTROLLER	Yes
	BACKUP VIEWER	Yes (Multi Channel Playback Support)
	POS / Text-In Device	Yes
	LANGUAGE	MULTI-LANGUAGE
AI	SMART MOTION	Yes (Depend on IP CAMERA)
	AI Rule R0 Support (Basic AI Rule Setup)	Yes (Depend on IP CAMERA /AIBOX)
	AI Rule R1 Support (Smart Event Receiver)	Yes (Depend on IP CAMERA /AIBOX)



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