

# 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
- 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-16F85-16P-E

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
AUDIO	INPUT SIGNAL	16 CH (From IP Camera)
	OUTPUT SIGNAL	1CH
	CODEC	G.711
RECORDING	CODEC	H.264 / 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	TBD
	ALARM OUT	16 CH (Depend on IP Camera) + 16CH (8CH, RELAY / 8CH, O.C., Internal)
STORAGE	INTERNAL HDD	5EA
	EXTERNAL STORAGE	Yes (eSATA, NAS (for Backup))
	INTERNAL ODD	none
INTERFACE	USB	3 Ports / v2.0
	RS-485	1
	RS-232	1
	LAN	16 FE (IP Camera, POE(802.3at)) + 1GE (LAN) + 1GE (WAN)
	REMOTE CONTROL	Yes
ETC	WATCHDOG	Yes
	COOLING FAN	1EA
POWER	POWER SUPPLY	SMPS 12V 100W + SMPS 51V 200W
	POWER CONSUMPTION	TBD
	Power Budget for IPCAM	200W
ENVIROMENT	TEMPERATURE / HUMINITY	0°C ~ 40°C, 10 ~ 90% NC
CHASSIS	DIMENSION (mm)	430 x 370 x 90
	NET WEIGHT(kg)	6kg
	GROSS WEIGHT(kg)	-
CERTIFICATION	CERTIFICATION	UL, FCC, CE, KC
MONITORING	DISPLAY RATE	Up to 480fps/400fps (Realtime)
	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, BRIGHTNESS, etc.) (Depend on IP Camera)

# SPECIFICATION



**NR-16F85-16P-E**

RECORD	SCHEDULE METHOD	DAILY / WEEKLY / EACH HOUR
	PROGRAMMABLE FOR CH	Yes
	MANUAL RECORDING	Yes
	EVENT RECORDING	Yes
	PRE-EVENT RECORDING	0 / 1 / 2 / 3 / 4 / 5 / 10 / 15 SEK
	PANIC RECORDING	Yes
SEARCH & PLAYBACK	PLAYBACK RATE	2MP : Up to 400FPS
	PLAYBACK SPEED	x1, x2, x4, x16, x32, x64
	SEARCH TYPE	CALENDER / EVENT / TIME / TUHMBNAIL / BOOKMARK / INSTANT / PLAYBACK ZOOM / SNAPSHOT (JPEG)
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	Yes, MD5
	WATERMARK VARIFICATION	Yes
	ARCHIVED DATA PLAYBACK	Yes
NETWORK	MAX. CONNECTIONS	32 USERS
	DHCP / DDNS	Yes
	TRANSMISSTION RATE	MAX 400 fps (Depend on IP Camera)
	BANDWIDTH CONTROL	Yes
	WEB BROWER ACCESS	Yes
	REMOTE FUCNTION	REMOTE MONITORING / PLAYBACK / ARCHIVING / SETUP / PTZ CONTROL / HEALTH CHECK
	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)
	AUTO ROUTER PORT FORWARDING	Yes
	DUAL STREAMING	Yes
	FTP CLIENT	Yes (For ARCHIVING)
	E-MAIL	Yes (SMTP CLIENT)
	AUTHORITY CONTROL	ADMIN / MANAGER / USER
PROTOCOLS	WS-Discovery, RTP, RTSP, RTCP, S MTP, NTP, HTTP, FTP, DDNS, DHCP, uPNP (Router Port Forwading), HTTPS, SSL	

# SPECIFICATION



		<b>NR-16F85-16P-E</b>
<b>EVENT</b>	<b>EVENT &amp; ACTIONS</b>	WIFI / ALARM OUT / EVENT NOTIFICATION / VIDEO POPUP / ALARM SENSOR EVENT / VIDEO LOSS EVENT / MOTION DETECTION EVENT
	<b>MOTION SENSOR AREA</b>	DEPEND ON IP CAMERA
	<b>EVENT</b>	DISK EVENT / SYSTEM EVENT / NETWORK EVENT
<b>ETC</b>	<b>LANGUAGE</b>	MULTI-LANGUAGE
	<b>KEYBOARD CONTROLLER</b>	Yes
	<b>DST SETUP</b>	Yes
	<b>DISK TEMPATURE CHECK</b>	Yes
	<b>DISK S.M.A.R.T CHECK</b>	Yes (DEPEND ON HDD SPEC)
	<b>AUTO DISK RECOVERY</b>	Yes
	<b>F/W UPGRADE</b>	Yes (USB / NETWORK)
	<b>SETUP IMPORT/EXPORT</b>	Yes



Subject to technical changes and errors. 012021 v1.01

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