

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



PIXEL MASTER

Features:

- Max. 4K @ 25 fps / Channel
- Up to 200 fps (8ch) / 100 fps (4ch)
- Efficient H.264/H.265 compression
- Built-in PoE switching HUB
- Automatic router port forwarding
- Remote F/W upgrade
- 4K HD GUI
- Monitoring for fan failure and temperature
- HDD failure notification (S.M.A.R.T)
- Remote viewer : PC & web based remote agent, smartphone application

GANZ[®] SPECIFICATIONS

SPECIFICATION



		NR-4F81-4P	NR-8F82-8P
VIDEO	INPUT SIGNAL	4 x IP Camera(Max 4k)	8 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	4CH (From IP Cam)	8CH (From IP Cam)
	OUTPUT SIGNAL	1Ch	
	MICROPHONE	1Ch (Line-In)	
	CODEC	G.711	
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	4 CH (IP) (Depend on IP Camera) / 4 IN	8 CH (IP) (Depend on IP Camera) / 8 IN
	ALARM OUT	4 CH (IP)(Depend on IP Camera) + 1 RELAY (Internal)	8 CH (IP)(Depend on IP Camera) + 1 RELAY (Internal)
STORAGE	INTERNAL HDD	1EA (SATA)	2EA (SATA)
	EXTERNAL STORAGE	-	
	INTERNAL ODD	-	
INTERFACES	USB	2 Ports / v2.0	
	RS-485	1	
	RS-232	-	
	LAN	4 FE (IP Camera, POE(802.3at)) + 1FE (WAN)	8 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	48V 2A adaptor	SMPS 51V 200W
	POWER CONSUMPTION	6W max. without HDD/CAM	16W max. without HDD/CAM
	Power Budget for IPCAM	86W	180W
ENVIRONMENT	TEMPERATURE	0°C ~ 40°C	
	HUMIDITY	10 ~ 90% NC	
CHASSIS	DIMENSION	1U 260(W) x 262.6(D) x 44(H)	1U 380(W) x 314.6(D) x 44(H)
	WEIGHT	1.55kg	2.75kg
CERTIFICATION	UL, CUL, FCC, CE	FCC, CE	

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		NR-4F81-4P	NR-8F82-8P
MONITORING	DISPLAY RATE	Up to 100fps	Up to 200fps
	DECODING RATE	Max Total 25fps @ 8M	
	DISPLAY RESOLUTION	2160p (HDMI), 1080p (VGA), Dual Display (Mirroring)	
	DISPLAY MODE	1,4	1,4,6,8,9
	SEQUENCE	Programmable Sequence	
	DIGITAL ZOOM	Yes	
	COVERT	Yes	
	CAMERA COLOR CONTROL	Yes (CONTRAST, HUE, TINT, 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. 25 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
PLAYBACK RATE		Up to 100fps	Up to 200fps
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	
ARCHIVING	ARCHIVING DEVICES	USB Memory, FTP	
	REMOTE ARCHIVING	Yes (WEB RA, VMS, FTP)	
	SNAPSHOT ARCHIVING	Yes	
	DATA RESERVING	Yes	
	RESERVED DATA LIST	Yes	
	BACKUP DATA FORMAT	AVI, RAW	
	WATERMARK	MD5	
	WATERMARK VERIFICATION	Yes	

SPECIFICATION



		NR-4F81-4P	NR-8F82-8P
NETWORK	MAX. CONNECTIONS	10 USERS	
	Incoming / Outgoing Bandwidth	37Mbps / 72Mbps	74Mbps / 72Mbps
	DHCP	Yes	
	HTTPS	Yes	
	SSL	Yes	
	DDNS	Yes	
	TRANSMISSION RATE	MAX 120 fps (Depend on IP Camera)	MAX 240 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, S MTP, NTP, HTTP, FTP, DDNS, DHCP, uPNP(Router Port Forwarding), HTTPS, SSL		
WIFI	-		

SPECIFICATION



		NR-4F81-4P	NR-8F82-8P
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	
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)



Subject to technical changes and errors. 012021 v2.0

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