



◆ SPECIFICATION

Model NO.	NVRC821PKM4FE500H	
Package		
NVR	1x NVRC821PK	
Camera	4 x IPSU20KE500 4x IPR25KE500	
Cable	8x 20m CAT5e Cable	
Mouse	1xUSB 2.0 Mouse	
Hard Disk	No	
Adaptor	DC52V/2.5A	
Weight	12.8kg/SET	
Camera Model	IPSU20KE500	IPR25KE500
Image Sensor	1/2.9" Full HD CMOS Sensor	
Resolution	4MP	
Effective Pixels	2608(H)*1952(V)	
Compression	H.264/H.264+/H.265/H.265+/JPEG/AVI	
TV System	PAL/NTSC	
Electronic Shutter Time	Auto: PAL 1/25-1/10000Sec; NTSC 1/30-1/10000Sec	
Minimum Illumination	0.01Lux	
S/N Ratio	≥52dB	
Scanning System	Progressive	
Video Output	Network	
Reset Button	Optional	
Lens		
Focus Length	3.6mm	
Focus Control	Fixed	
Lens Type	Fixed	
Pixels	5MP	

Night Vision

Infrared LED	14μ x 18PCS	14μ x 20PCS
Infrared Distance	20M	25M
IR Status	Auto Control	
IR Power On	Auto Control	

Network

Ethernet	RJ-45 (10/100Base-T)	
Wireless	/	
Protocol	TCP/IP,ICMP,HTTP,HTTPS,FTP,DHCP,DNS,DDNS,RTP,RTSP,RTCP,NTP,SMTP,UDP	
ONVIF	Support ONVIF 2.4(Profile S/T/G)	
P2P	YES	
POE	Yes, Support IEEE 802.3af	
Video Delay	0.3S (Within the Lan)	
Main Stream 1	2592*1944@20fp 2560*1920@20fp	
Main Stream 2	2560*1440@30fp	
Main Stream 3	1920*1080@30fps 1280*720@30fps	
Sub Stream 1	720*480@20fps 720*480@30fps	
Sub Stream 2	/	
Sub Stream 3		
Tri Stream	/	
IE Brower	IE8-11, Google Chrome, Firefox , Mac Safari	
Smart Phone	iPhone, iPad, Android, Android Pad	

Camera Features

Day/Night	Color/ B&W (IR-CUT)	
Image Config	Saturation/Brightness/Contrast /Sharpness, Mirror, White Balance, FLK(Flicker Control)	
Starlight	/	
Corridor Pattern	Support	
Defog Mode	Support	
ROI	/	
BLC	YES	
HDR	/	
WDR	NO	
Motion Detection	Support	
Privacy Masking	3 Rectangular Zone	
Recording Mode	NVR	
Language	Chinese Simplified, Chinese Traditional, English, Bulgarian, Polish, Arabic, German, Russian, French, Korean, Portuguese, Japanese, Turkish, Spanish, Hebrew, Italian,Nederlands,Czech, Vietnamese	

Interface

Audio	Optional	
Alarm	/	

SD Card Slot	/	
RS485	/	
General		
Housing	Metal , IP67	
Anti-cut Bracket	NO	YES
IR Cut Filter	YES	
Operation Temperature	-20℃ ~ +60℃ RH95% Max	
Storage Temperature	-20℃ ~ +60℃ RH95% Max	
Power Source	DC12V±10%, 750mA	DC12V±10%, 950mA
Dimension	φ93 x 74(H) mm	157(W) x 70(H) x 66(D)mm
Weight	400g	650g
Model	NVRC821PK	
System		
Main Processor	ARM Cortex A7 Processor	
Operating System	Embedded LINUX	
Video		
Input	16CH (3840×2160, 2592×1944, 2048×1536, 1920×1080, 1280×960, 1280×720, etc)	
Output	1 VGA, 1 HD	
Audio		
Input	1 Port RCA	
Output	1 Port RCA(Linear, 1kΩ)	
Audio Bit Rate	64kbps	
Audio Compression standard	G711u, G711a, ADPCM_DVI4	
Alarm		
Sensor Input	4	
Output	1	
Motion Detection	16 Channel, MD Zones: 396 (22 × 18)	
Trigger Events	Recording, Email, FTP, Snapshot, Buzzer and Screen Tips, alarm output	
Display		
HD Output1	Resolution:4K (3840 × 2160)/30Hz, 4K (3840 × 2160)/30Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	
HD Output2	/	
VGA	Resolution:1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	
Display Split	16CHxD1/9CHxD1/8CHxD1/4CHxD1/1CHx1080P/1CHx3MP/1CHx4MP/1CHx5MP/1CHx4k	
Digital Zoom	YES	
OSD	Camera Title, Time, Recording, Motion Detection, Event Alarm	
Recording		
Video Compression	H265/H264/H265+/H264+	

Resolution	4k(3840×2160),5MP(2592×1944),4MP(2688×1520/2560×1440),3MP(2048×1536),1080P(1920×1080),960P(1280×960),720P(1280×720),D1 (720×576/720×480)
Record Rate	PAL :4k@8×25fp,5MP@16×25fp,4MP@16×25fp,3MP@16×25fp,1080P@16×25fp, 960P@16×25fp,720P@16×25fp, D1@16×25fp NTSC: 4k@8×30fp,5MP@16×30fp,4MP@16×30fp,3MP@16×30fp,1080P@16×30fp, 960P@16×30fp, 720P@16×30fp, D1@16×30fp
Record Mode	Manual\Timer\Motion Detection\ Alarm\Motion and Alarm\Smart Alarm
Playback & Backup	
Local Sync Playback	1CH 4K@30fps, 1CH 5MP@30fps,2CH 4MP@30fps, 2CH 3M@30fps, 4CH 1080P@30fps, 4CH 960P@30fps, 4CH 720P@30fps
Decode Capability	4CH 1080P(1920x1080)@30fps
Remote Sync Playback	YES
Search Mode	ALL, Channel, Manual, Time, Date, Motion Detection,Event Alarm,Tag search
Playback Functions	Play, Pause, Stop, Rewind, Fast play, Slow Play, Full Screen, Frame Play ,Frame Rewind, Digital Zoom,tag,clip
Backup Mode	USB Device/Network
Network	
Interface	8 x RJ45 (10M/100M Adaptive Ethernet Interface)+1xRJ45 10M/100M/1000M Adaptive Ethernet Interface
Incoming Bandwidth	100MB
Network Functions	TCP/IP, HTTP, UPnP, DNS, NTP, SMTP, DHCP, FTP, DDNS, RTSP, RTCP, p2p,PPPOE
Onvif Version	Support Onvif 2.8
Web Browser	IE8-11, Google Chrome (lower than Ver44), Firefox (lower than Ver53)
CMS Software	Support Windows 7/ Windows 8/Windows 10/MAC OS
Cloud Support(P2P)	Yes
Smart Phone	iPhone, iPad, Android, Android Pad
POE	8 x Independent 100Mbps POE Network Interfaces(Output PowerAT mode 30W, AF mode 15W per Interface), 45/78 line order, Total Power Output \geq 100W, Support Plug and Play, Support network cable extended mode Max. 200M
WIFI	/
Storage	
Interface Type	1 SATA Hard Disk Interface (2.5"/3.5" SATA)
Capacity	Up to 8TB capacity
eSATA	/
General	
Language	Traditional Chinese, Simplified Chinese, English, Polish, Czech, Russian, Thai, Hebrew, Arabic, Bulgarian, German, French, Portuguese, Turkic, Spanish, Italian, Hungarian, Romanian, Korean, Dutch, Greek, Vietnamese,Japanese
USB Interface	2 USB 2.0 Interfaces
RS485	/
Power Supply	DC 52V/2500mA \leq 10W (Without Hard Disk and POE)
Working Environment	-10~55℃ /10~90%
Dimension(W×D×H)	260*215*43(mm)
Weight	2.0KG (without HDD)

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