



## ◆ SPECIFICATION

| Model NO.               | NVRC821PKM4KE200S                               |
|-------------------------|---|
| <b>Package</b>          |   |
| NVR                     | 1x NVRC821PK                                    |
| Camera                  | 8 x IPSU20KE200                                 |
| Cable                   | 8x 20m CAT5e Cable                              |
| Mouse                   | 1xUSB 2.0 Mouse                                 |
| Hard Disk               | No  |
| Adaptor                 | DC52V/2.5A                                      |
| Weight                  | 10.8kgkg/SET                                    |
| <b>Camera Model</b>     |   |
| <b>IPSU20KE200</b>      |   |
| Image Sensor            | 1/2.9" Full HD CMOS Sensor                      |
| Resolution              | 2MP 1080P                                       |
| Effective Pixels        | 1920(H)*1080(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               | ≥60dB   |
| Scanning System         | Progressive                                     |
| Video Output            | Network   |
| Reset Button            | Optional  |
| <b>Lens</b>             |   |
| Focus Length            | 3.6mm   |
| Focus Control           | Fixed   |
| Lens Type               | Fixed   |
| Pixels                  | 2MP   |

| <b>Night Vision</b>    |  |
|------------------------|--|
| Infrared LED           | 14μ x 18PCS  |
| Infrared Distance      | 20M  |
| IR Status              | Auto Control   |
| IR Power On            | Auto Control   |
| <b>Network</b>         |  |
| 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          | 2304*1296@20fps  |
| Main Stream 2          | 1920*1080@30fps  |
| Main Stream 3          | 1280*720@30fps   |
| Sub Stream 1           | 720*480@30fps  |
| Sub Stream 2           | 352*288@30fps  |
| Sub Stream 3           | /  |
| Tri Stream             | /  |
| IE Brower              | IE8-11, Google Chrome, Firefox , Mac Safari  |
| Smart Phone            | iPhone, iPad, Android, Android Pad   |
| <b>Camera Features</b> |  |
| 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 |
| <b>Interface</b>       |  |
| Audio                  | Optional   |
| Alarm                  | /  |

|                            |   |
|----------------------------|---|
| SD Card Slot               | /   |
| RS485                      | /   |
| <b>General</b>             |   |
| Housing                    | Metal , IP67  |
| Anti-cut Bracket           | NO  |
| IR Cut Filter              | YES   |
| Operation Temperature      | -20℃ ~ +60℃ RH95% Max   |
| Storage Temperature        | -20℃ ~ +60℃ RH95% Max   |
| Power Source               | DC12V±10%, 750mA  |
| Dimension                  | φ93 x 74(H) mm  |
| Weight                     | 400g  |
| <b>Model</b>               | <b>NVRC821PK</b>  |
| <b>System</b>              |   |
| Main Processor             | ARM Cortex A7 Processor   |
| Operating System           | Embedded LINUX  |
| <b>Video</b>               |   |
| Input                      | 16CH(3840*2160,2592x1944, 2048x1536, 1920×1080, 1280×960, 1280×720, etc)  |
| Output                     | 1 VGA, 1 HD   |
| <b>Audio</b>               |   |
| Input                      | 1 Port RCA  |
| Output                     | 1 Port RCA(Linear, 1kΩ)   |
| Audio Bit Rate             | 64kbps  |
| Audio Compression standard | G711u, G711a, ADPCM_DVI4  |
| <b>Alarm</b>               |   |
| 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   |
| <b>Display</b>             |   |
| 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  |
| <b>Recording</b>           |   |
| 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@8x25fps,5MP@9x25fp,4MP@9x25fp,3MP@9x25fp,1080P@9x25fp,960P@9x25fp,720P@9x25fp, D1@9x25fp<br>NTSC: 4K@8x30fps,5MP@9x30fp,4MP@9x30fp,3MP@9x30fp,1080P@9x30fp,960P@9x30fp, 720P@9x30fp, D1@9x30fp |
| Record Mode | Manual\Timer\Motion Detection\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          | 9 x RJ45 (10M/100M Adaptive Ethernet Interface)  |
| Incoming Bandwidth | 80MB   |
| 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(WxD×H)    | 260*215*43(mm)  |
| Weight              | 2.0KG (without HDD)   |

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