



| SPECIFICATION           |                                                                                        |             |
|-------------------------|----------------------------------------------------------------------------------------|-------------|
| Model NO.               | NVR2104DP3FE800                                                                        |             |
| Package                 |                                                                                        |             |
| NVR                     | 1x NVR2104DP                                                                           |             |
| Camera                  | 2 x LIRDBAFE800<br>2x LBH30FE800                                                       |             |
| Cable                   | 4x 20m CAT5e Cable                                                                     |             |
| Mouse                   | 1xUSB 2.0 Mouse                                                                        |             |
| Hard Disk               | No                                                                                     |             |
| Adaptor                 | DC52V/1.25A                                                                            |             |
| Weight                  | 6.8kg/SET                                                                              |             |
| Camera Model            | LIRDBAFE800                                                                            | LBH30FE800  |
| Image Sensor            | 1/2.5" High-resolution CMOS Sensor                                                     |             |
| Resolution              | 8MP                                                                                    |             |
| Effective Pixels        | 2704(H)*1950(V)                                                                        |             |
| Compression             | H.265                                                                                  |             |
| TV System               | PAL/NTSC                                                                               |             |
| Electronic Shutter Time | Auto: PAL 1/25-1/10000Sec; NTSC 1/25-1/10000Sec                                        |             |
| Minimun 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,RTP,RTSP,RTCP                                                              |             |
| ONVIF                   | /                                                                                      |             |
| P2P                     | /                                                                                      |             |
| POE                     | Yes, Support IEEE 802.3af                                                              |             |
| Video Delay             | 0.3S (Within the Lan)                                                                  |             |
| Main Stream 1           | 3840x2160@15fps                                                                        |             |
| Main Stream 2           | /                                                                                      |             |
| Main Stream 3           | /                                                                                      |             |
| Sub Stream 1            | 1280x720@15fps                                                                         |             |
| Sub Stream 2            | /                                                                                      |             |
| Sub Stream 3            | /                                                                                      |             |
| Tri Stream              | /                                                                                      |             |
| IE Brower               | /                                                                                      |             |
| Smart Phone             | /                                                                                      |             |
| Camera Features         |                                                                                        |             |
| Day/Night               | Color/ B&W (IR-CUT )                                                                   |             |
| Image Config            | Saturation/Brightness/Contrast /Sharpness, Mirror, White Balance, FLK(Flicker Control) |             |
| Starlight               | /                                                                                      |             |
| Corridor Pattern        | /                                                                                      |             |
| Defog Mode              | /                                                                                      |             |
| ROI                     | /                                                                                      |             |
| BLC                     | YES                                                                                    |             |
| HDR                     | /                                                                                      |             |
| WDR                     | NO                                                                                     |             |
| Motion Detection        | Support                                                                                |             |
| Privacy Masking         | 3 Rectangular Zone                                                                     |             |
| Recording Mode          | NVR                                                                                    |             |

|                            |                                                                                                                                                                                                                                  |                          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| Language                   | /                                                                                                                                                                                                                                |                          |
| Interface                  |                                                                                                                                                                                                                                  |                          |
| Audio                      | /                                                                                                                                                                                                                                |                          |
| 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                      | NVR2104DP                                                                                                                                                                                                                        |                          |
| System                     |                                                                                                                                                                                                                                  |                          |
| Main Processor             | ARM Cortex A7 Processor                                                                                                                                                                                                          |                          |
| Operating System           | Embedded LINUX                                                                                                                                                                                                                   |                          |
| Video                      |                                                                                                                                                                                                                                  |                          |
| Input                      | 9CH (3840×2160, 2592x1944, 2048x1536, 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           | 9 Channel, MD Zones: 396 (22 × 18)                                                                                                                                                                                               |                          |
| Trigger Events             | Recording, Email, FTP, Snapshot, Buzzer and Screen Tips, alarm output                                                                                                                                                            |                          |
| Display                    |                                                                                                                                                                                                                                  |                          |
| HD Output                  | Resolution:4K (3840 × 2160)/30Hz, 4K (3840 × 2160)/30Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz                                                                                                    |                          |
| VGA                        | Resolution:1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz                                                                                                                                                  |                          |
| Display Split              | 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(1280x960),720P(1280×720),D1 (720×576/720×480)                                                                                         |                          |
| Record Rate                | PAL :4K@8x25fps,5MP@9×25fp,4MP@9x25fp,3MP@9×25fp,1080P@9×25fp, 960P@9×25fp,720P@9×25fp, D1@9×25fp<br>NTSC: 4K@8x30fps,5MP@9×30fp,4MP@9×30fp,3MP@9×30fp,1080P@9×30fp, 960P@9×30fp, 720P@9×30fp, D1@9×30fp                         |                          |
| 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                  | 5 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                      | Support onvif S,onvif T                                                                                                                                                                                                          |                          |
| Web Browser                | IE8-11, Google Chrome, Firefox , Mac Safari                                                                                                                                                                                      |                          |
| CMS Software               | Support Windows 7/ Windows 8/Windows 10/MAC OS                                                                                                                                                                                   |                          |
| Cloud Support(P2P)         | Yes                                                                                                                                                                                                                              |                          |
| Smart Phone                | iPhone, iPad, Android, Android Pad                                                                                                                                                                                               |                          |
| POE                        | 4 x Independent 100Mbps POE Network Interfaces(Output PowerAT mode 30W, AF mode 15W per Interface), 45/78 line order, Total Power Output ≧ 50W, 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, Janpenes |                          |
| USB Interface              | 2 USB 2.0 Interfaces                                                                                                                                                                                                             |                          |
| RS485                      | /                                                                                                                                                                                                                                |                          |
| Power Supply               | DC 52V/1250mA ≤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)                                                                                                                                                                                                              |                          |