



## SPECIFICATION

|                         |  |                   |
|-------------------------|--|-------------------|
| <b>Model NO.</b>        | <b>NVR2104DP3FE200</b>   |                   |
| <b>Package</b>          |  |                   |
| NVR                     | 1x NVR2104DP   |                   |
| Camera                  | 2 x LIRDBAFE200<br>2x LBH30FE200   |                   |
| Cable                   | 4x 20m CAT5e Cable   |                   |
| Mouse                   | 1xUSB 2.0 Mouse  |                   |
| Hard Disk               | No   |                   |
| Adaptor                 | DC52V/1.25A  |                   |
| Weight                  | 7.3kg/SET  |                   |
| <b>Camera Model</b>     | <b>LIRDBAFE200</b>   | <b>LBH30FE200</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                  | 5MP  |                   |
| <b>Night Vision</b>     |  |                   |
| Infrared LED            | 14μ x 18PCS  | 14μ x 20PCS       |
| Infrared Distance       | 20M  | 25M               |
| 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   | 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                     |
| <b>Model</b>                 | <b>NVR2104DP</b>   |                          |
| <b>System</b>                |  |                          |
| Main Processor               | ARM Cortex A7 Processor  |                          |
| Operating System             | Embedded LINUX   |                          |
| <b>Video</b>                 |  |                          |
| Input                        | 9CH (3840×2160, 2592×1944, 2048×1536, 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             | 9 Channel, MD Zones: 396 (22 × 18)   |                          |
| Trigger Events               | Recording, Email, FTP, Snapshot, Buzzer and Screen Tips, alarm output  |                          |
| <b>Display</b>               |  |                          |
| 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   |                          |
| <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@9×25fp,4MP@9×25fp,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  |                          |
| <b>Playback &amp; Backup</b> |  |                          |
| 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   |                          |
| <b>Network</b>               |  |                          |
| 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                         | /  |                          |
| <b>Storage</b>               |  |                          |
| Interface Type               | 1 SATA Hard Disk Interface (2.5"/3.5" SATA)  |                          |
| Capacity                     | Up to 8TB capacity   |                          |
| eSATA                        | /  |                          |
| <b>General</b>               |  |                          |
| Language                     | Traditional Chinese, Simplified Chinese, English, Polish, Czech, Russian, Thai, Hebrew, Arabic, Bulgarian, German, French, Portuguese, Turcic, 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)  |                          |