



| SPECIFICATION        |  |
|----------------------|--|
| Model                | XVRDA3116HDB   |
| System               |  |
| Main Processor       | HI3531D  |
| Operating System     | Embedded LINUX   |
| Video                |  |
| Input                | Normal Mode: Default: 16*(AHD/TVI/CVI:8M; TVI/AHD: 5M; AHD/TVI/CVI: 4M; AHD/TVI: 3M; AHD/TVI/CVI: 1080P/720P; Analog: 960H)+8*network(Max 5MP)<br>Analog+Network: 14*Analog(8MP)+11*network(Max 8MP), 12*Analog(8MP)+13*network(Max 8MP), 10*Analog(8MP)+15*network(Max 8MP), 8*Analog(8MP)+17*network(Max 8MP), 6*Analog(8MP)+19*network(Max 8MP), 4*Analog(8MP)+21*network(Max 8MP), 2*Analog(8MP)+23*network(Max 8MP)<br>Lite Mode: Analog: 16*(TVI/AHD: 5M@12fps; AHD/TVI/CVI: 4M@15fps; AHD/TVI: 3M; AHD/TVI/CVI: 1080P/720P; Analog: 960H)+8*network(Max 5MP)<br>Analog+Network: 14*Analog(5MP)+11*network(Max 8MP), 12*Analog(5MP)+13*network(Max 8MP), 10*Analog(5MP)+15*network(Max 8MP), 8*Analog(5MP)+17*network(Max 8MP), 6*Analog(5MP)+19*network(Max 8MP), 4*Analog(5MP)+21*network(Max 8MP), 2*Analog(5MP)+23*network(Max 8MP)<br>Network: 32*network(Max 8MP)(Total incoming bandwidth ≤160M)  |
| Input                | 16CH BNC   |
| Signal Type          | Analog/AHD/CVI/TVI 2.0/TVI 3.0/Network   |
| Output               | 1HD,1 VGA, 1 CVBS  |
| Audio                |  |
| Input                | 6 Channel, RCA   |
| Two-way Audio        | NO   |
| Output               | 1 Channel, RCA   |
| Alarm                |  |
| Sensor Input         | 4 CH   |
| Output               | 1 CH   |
| Motion Detection     | 24 Channel(max 32 Channel in pure network mode)  |
| Trigger Events       | Recording, Email, Screen tips, Buzzer, Push notifications(motion detection)  |
| Email Alarm          | Send Image to The Designated E-mail  |
| AI Function          |  |
| Face Comparison      | 4 channel video stream face Comparison(1 face databases with 10 face images)   |
| PTZ                  |  |
| Interface            | RS485  |
| Protocol             | Pelco-D, Pelco-P   |
| Baud Rate            | 110~921600   |
| Address              | 0~255  |
| Display              |  |
| VGA                  | Resolution: 1920 × 1080P/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz,1024 × 768 /60Hz  |
| HD Output            | Resolution: 3840×2160/30Hz, 2560x1440/30Hz, 1920 × 1080P/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz,1024 × 768/60Hz   |
| Display Split        | 36 Channel/25 Channel/16 Channel/9 Channel/8 Channel/4 Channel / 1Channel  |
| Privacy Masking      | 3 Rectangular Zones (Each camera)  |
| OSD                  | Camera title, Time, Video loss, Alarm, Motion detection, Recording   |
| Recording            |  |
| Video Compression    | H.265/H.265+/H.264/H.264+  |
| Audio Compression    | G.711u/G.711a  |
| Resolution           | 5MP(2592×1944),8MP_LITE(1920×2160),5MP_HALF(1296×1944),4MP(2560×1440),4MP_HALF(1280×1440),3MP(2048×1536),3MP_Lite(1024×1536 4*18fps), 1080P(1920×1080),720P(1280×720),960H(P:960×576/N:960×480)  |
| Video Quality        | Worst/Worse/Ordinary/Well/Best   |
| Record Rate          | Normal Mode: Analog:PAL:8MP_LITE(1920×2160 16*8fps), 5MP(2592×1944 16*6fps),5MP_LITE(1296×1944 16*10fps), 4MP(2560×1440 16*8fps),4MP_LITE(1280×1440 16*15fps),3MP(2048×1536 16*9fps),3MP_Lite(1024×1536 16*18fps), 1080P(1920x1080 16*15fps),720P(1280×720 16*25fps), 960H(960×576 16*25fps)<br>NTSC:8MP_LITE(1920×2160 16*8fps), 5MP(2592×1944 16*6fps),5MP_LITE(1296×1944 16*10fps), 4MP(2560×1440 16*8fps),4MP_LITE(1280×1440 16*15fps),3MP(2048×1536 16*9fps),3MP_Lite(1024×1536 16*18fps), 1080P(1920x1080 16*15fps),720P(1280×720 16*30fps), 960H(960×480 16*30fps)<br>Lite Mode:<br>PAL:5MP_Lite(1296×1944 16*10fps),4MP_Lite(1280×1440 16*15fps),3MP_Lite(1024×1536 16*18fps),1080N(960x1080 16*25fps),720P(1280×720 16*25fps), 960H(960×480 16*25fps)<br>NTSC: 5MP_Lite(1296×1944 16*10fps),4MP_Lite(1280×1440 16*15fps),3MP_Lite(1024×1536 16*18fps),1080N(960x1080 16*25fps),720P(1280×720 16*25fps), 960H(960×480 4*30fps)<br>Pure IP(H.265):<br>PAL:4k@17×25fps,5MP@26×25fps,4MP@32x25fps,3MP@32×25fps,1080P@32×25fps,960P@32×25fps,720P@32×25fps,D1@32×25fps<br>NTSC: 4k@17×30fps,5MP@26×30fps,4MP@32×30fps,3MP@32×30fps,1080P@32×30fps, 960P@32×30fps, 720P@32×30fps, D1@32×30fps |
| Record Mode          | Manual\Timer\Motion Detection\AI Alarm\Alarm Input   |
| Playback & Backup    |  |
| Decode Capability    | 9CH 1080P@30fps  |
| Sync Playback        | Pure Analog: 16CH 8MP_LITE@8fps, 16CH 5M@6fps,16CH 5MP_LITE@10fps, 16CH 4M@8fps, 16CH 4MP_LITE@15fps, 16CH 3M@9fps, 16CH 1080p@15fps, 16CH 1080N@25fps<br>Mix Mode: 1CH 4K@30fps, 2CH 5M@30fps, 2CH 4M@30fps, 3CH 3M@30fps, 4CH 1080P@30fps, 4CH 960P@30fps, 4CH 720P@30fps<br>Pure IPC: 2CH 4K@30fps, 4CH 5M@30fps, 4CH 4M@30fps, 5CH 3M@30fps, 9CH 1080P@30fps, 9CH 960P@30fps, 9CH 720P@30fps   |
| Remote Playback      | 4 Channel / 1 Channel  |
| Search Mode          | ALL, Channel, Manual, Time, Date, Motion Detection   |
| Playback Functions   | Play, Pause, Stop, Fast play, Slow play, Rewind, Single frame forward/back, Digital Zoom, Full screen  |
| Smart Phone Playback | 4 Channel  |
| Backup Mode          | USB Device(with fomate FAT 32 )/Network/FTP  |
| Network              |  |
| Interface            | 1 RJ45 10M/100/1000M Adaptive Ethernet Interface   |
| Network Functions    | TCP/IP, HTTP, UPnP, DNS, NTP, SMTP, PPPoE, DHCP, FTP, DDNS, RTP, RTSP, RTCP  |
| DDNS                 | Dyndns, changeip, no-ip, Oray, A-PRESS, MYQSEE, SKDDNS, SMART-EYES, ZEBEYE   |
| Web Browser          | IE8-11, Google Chrome (lower than Ver44), Firefox (lower than Ver53)   |
| CMS Software         | Support Windows 7/ Windows 8/Windows 10  |
| Extra Stream         | CIF/D1(1-30fps)  |
| Smart Phone          | iPhone, ipad, Android ,Android pad   |
| Hard Disk Driver     |  |
| Interface Type       | 2 SATA Interface   |
| Capacity             | 2 SATA Hard Disk (2.5"/3.5" SATA, Up to 16TB)  |
| General              |  |
| Language             | Simplified Chinese,Traditional Chinese, English, Polish, Czech, Russian, Thai, Hebrew, Arabic, Bulgarian, German, French, Portuguese, Turkic, Spanish, Italian, Hungarian, Romanian, korean, Dutch, Greek, Vietnamese, Japanese  |
| UTC Control          | YES  |
| USB Interface        | 2 USB 2.0 Interfaces   |
| Power consumption    | DC 12V/5A ≤10W (Without Hard Disk)   |
| Working Environment  | -10~55℃/10~90%   |
| Dimension (W×D×H)    | 260*215*43(mm)   |
| Weight               | 2.0kg (Without HDD)  |