



| SPECIFICATION        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model                | XVRDA7016HDB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| System               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Main Processor       | MC6680                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Operating System     | Embedded LINUX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Video                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Input                | Normal Mode:<br>Default: 16*(AHD/TVI/CVI:8MP; TVI/AHD: 5MP; AHD/TVI/CVI: 4MP; AHD/TVI/CVI: 1080P/720P; Analog: 960H)+8*network(Max 8MP)<br>Analog+Network: 2*Analog(8MP)+22*network(Max 8MP),4*Analog(8MP)+20*network(Max 8MP),6*Analog(8MP)+18*network(Max 8MP)<br>,8*Analog(8MP)+16*network(Max 8MP),10*Analog(8MP)+14*network(Max 8MP),12*Analog(8MP)+12*network(Max 8MP),14*Analog(8MP)+10*network(Max 8MP),16*Analog(8MP)+8*network(Max 8MP)<br>Network: 32*8MP/5MP/4MP/3MP/1080P/960P/720P(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 ChannelRCA,support AOC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Two-way Audio        | NO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Output               | 1 Channel RCA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Alarm                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Sensor Input         | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Output               | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Motion Detection     | 16 Channel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Trigger Events       | Recording, Email, Screen tips, Buzzer, Push notifications(motion detection)                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Email Alarm          | Send Image to The Designated E-mail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| AI Function          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Human Detection      | YES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| PTZ                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Interface            | RS485                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Protocol             | Pelco-D, Pelco-P                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Baud Rate            | 110~921600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Address              | 0~255                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Display              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| VGA                  | Resolution:1920 × 1080P, 1280 × 1024 , 1280 × 720,1024 × 768                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| HD Output            | Resolution:4K,1920x1080,1280x1024,1280x720,1024x768                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Display Split        | 1/4/6/9/16/25/36                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 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(2560×1952),8MP_LITE(1920×2160),5MP_lite(1280×1952),4MP(2560×1440),4MP_HALF(1280×1440),3MP(2048×1536),1080P(1920×1080),720P(1280×720),960H(960×480)                                                                                                                                                                                                                                                                                                                                                                           |
| Video Quality        | Lowest/Low/Ordinary/Good/Better/Best                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Record Rate          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Record Mode          | Manual\Timer\Motion Detection\Alarm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Playback & Backup    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Decode Capability    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Sync Playback        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Remote Playback      | 4 Channel / 1Channel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Search Mode          | ALL, Channel, Manual, Time, Date, Motion Detection,Alarm,Tag                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 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/100M Adaptive Ethernet Interface                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Network Functions    | TCP/IP, HTTP, UPnP, DNS, NTP, SMTP,DHCP, FTP, DDNS, RTP, RTSP, RTCP                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| DDNS                 | Dyndns, changeip, no-ip, Oray, A-PRESS, MYQSEE, SKDDNS, SMART-EYES, ZEBEYE,HDPROVN,DYNAMIC_PLANET,EASY_PLANET                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Web Browser          | Edge,IE8-11, Google Chrome , Firefox ,Safari                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| CMS Software         | Support Windows 7/ Windows 8/Windows 10/Windows 11/MAC OS                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 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, Japanese,German, French, Portuguese, Turkic, Spanish, Italian, Hungarian, Romanian, korean, Dutch, Greek, Vietnamese,                                                                                                                                                                                                                                                                                                  |
| UTC Control          | YES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| USB Interface        | 2 USB 2.0 Interfaces                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Power consumption    | DC 12V/4A ≤15W (Without Hard Disk)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Working Environment  | -10~50℃ /10~90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Dimension (W×D×H)    | 310*295*46(mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Weight               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |