



SPECIFICATION	
Model	XVRDA3116HDB
<b>System</b>	
Main Processor	HI3531D+X1
Operating System	Embedded LINUX
<b>Video</b>	
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) 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) 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) 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) 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
<b>Audio</b>	
Input	6 Channel, RCA
Two-way Audio	NO
Output	1 Channel, RCA
<b>Alarm</b>	
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
<b>AI Function</b>	
Face Comparison	4 channel video stream face Comparison(4 face databases with 256 face images, max support 4064 face images)
<b>PTZ</b>	
Interface	RS485
Protocol	Pelco-D, Pelco-P
Baud Rate	110~921600
Address	0~255
<b>Display</b>	
VGA	Resolution: 1920 × 1080P/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz,1024 × 768 /60Hz
HD Output	Resolution: 3840×2160/30Hz, 2560×1440/30Hz, 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
<b>Recording</b>	
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(1920×1080 16*15fps),720P(1280×720 16*25fps), 960H(960×576 16*25fps) 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(1920×1080 16*15fps),720P(1280×720 16*30fps), 960H(960×480 16*30fps) Lite Mode: PAL:5MP_Lite(1296×1944 16*10fps),4MP_Lite(1280×1440 16*15fps),3MP_Lite(1024×1536 16*18fps),1080N(960×1080 16*25fps),720P(1280×720 16*25fps), 960H(960×480 16*25fps) NTSC: 5MP_Lite(1296×1944 16*10fps),4MP_Lite(1280×1440 16*15fps),3MP_Lite(1024×1536 16*18fps),1080N(960×1080 16*25fps),720P(1280×720 16*25fps), 960H(960×480 4*30fps) Pure IP(H.265): PAL:4k@17×25fps,5MP@26×25fps,4MP@32×25fps,3MP@32×25fps,1080P@32×25fps,960P@32×25fps,720P@32×25fps,D1@32×25fps 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
<b>Playback &amp; Backup</b>	
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 Mix Mode: 1CH 4K@30fps, 2CH 5M@30fps, 2CH 4M@30fps, 3CH 3M@30fps, 4CH 1080P@30fps, 4CH 960P@30fps, 4CH 720P@30fps 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 format FAT 32 )/Network/FTP
<b>Network</b>	
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
<b>Hard Disk Driver</b>	
Interface Type	2 SATA Interface
Capacity	2 SATA Hard Disk (2.5"/3.5" SATA, Up to 16TB)
<b>General</b>	
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°C/10~90%
Dimension (W×D×H)	260*215*43(mm)
Weight	2.0kg (Without HDD)