



SPECIFICATION	
Model	XVRDA3116HD
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) 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
Audio	
Input	2Channel, RCA
Two-way Audio	NO
Output	1 Channel, RCA
Alarm	
Sensor Input	NO
Output	NO
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, 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
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(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(1920x1080 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(960x1080 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(960x1080 16*25fps),720P(1280×720 16*25fps), 960H(960×480 4*30fps) Pure IP(H.265): PAL:4k@17×25fps,5MP@26×25fps,4MP@32x25fps,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
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 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 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	1 SATA Interface
Capacity	1 SATA Hard Disk (2.5"/3.5" SATA, Up to 8TB)
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/2A ≤10W (Without Hard Disk)
Working Environment	-10~55℃/10~90%
Dimension (W×D×H)	260*215*43(mm)
Weight	2.0kg (Without HDD)