



SPECIFICATION	
Model	XVRDA3116HK
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/Network
Output	1 HD, 1 VGA, 1 CVBS
Audio	
Input	12 Channel, RCA
Two-way Audio	NO
Output	1 Channel, RCA
Alarm	
Sensor Input	16 Channel
Output	4 Channel
Motion Detection	16 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
HD Output	Resolution: 3840×2160/30Hz, 1920 × 1080P /60Hz, 1280 × 1024 /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/AAC
Resolution	5MP(2592×1944),8MP_LITE(1920×2160),5MP_HALF(1296×1944),4MP(2560×1440),4MP_HALF(1280×1440),3MP(2048×1536),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
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, Rewind, Digital Zoom, Full screen
Smart Phone Playback	4 Channel
Backup Mode	USB Device(with format 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(1~30fps)
Smart Phone	iPhone, ipad, Android ,Android pad
Hard Disk Driver	
Interface Type	4 SATA Interface
Capacity	4 SATA Hard Disk (2.5"/3.5" SATA, Up to 32TB)
General	
Language	Chinese, English, Polish, Czech, Russian, Thai, Hebrew, Arabic, Bulgarian, Farisa German, French, Portuguese, Turcic, Spanish, Italian, Hungarian, Romanian, korean, Dutch, Greek
UTC Control	YES
USB Interface	2 USB 2.0 Interfaces
Power consumption	AC 115~230v ≤20W (Without HDD)
Working Environment	-10~55°C/10~90%
Dimension (W×D×H)	439*367*69(mm)
Weight	9.8kg (Without HDD)