



SPECIFICATION	
Model NO.	NVR3109S1
System	
Main Processor	Dual Cortex A53
Operating System	Embedded LINUX
Video	
Input	9CH(12MP/8MP/6MP/5MP/4MP/3MP/1080p/1280x1024/960p/720p/D1/CIF)
Output	1*HD
Audio	
Input	N/A
Output	N/A
Audio Bit Rate	64kbps
Audio Compression standard	G711U, G711A, AAC, MP2L2
Intercom	N/A
Alarm	
Sensor Input	N/A
Output	N/A
Motion Detection	9 Channel, MD Zones: 396 (22 × 18)
Trigger Events	Recording, Email, FTP, Snapshot and Screen Tips, Pop-up Window, Notify Surveillance Center
Display	
HD Output1	4K(3840*2160)/2K(2560*1440)/1920*1080/1280*1024/1280*720/1024*768
HD Output2	N/A
VGA	N/A
Display Split	9CH/8CH/6CH/4CH/2CH/1CH
Digital Zoom	YES
OSD	Camera Title, Time, Recording, Motion Detection, Event Alarm
Recording	
Video Compression	H265/H264/H265+/H264+
Resolution	12MP(4000*3000),8MP(3840 ×2160),6MP(3072*2048),5MP(2592 ×1944),4MP(2688×1520/2560×1440),3MP(2048 ×1536),1080P(1920×1080),1280x1024,960P(1280x960),720P(1280×720),960H(960x480),D1(720 ×576/720×480)
Record Rate	PAL: 12MP@6CHx25fps,4K@9CHx25fps,5MP@9CH ×25fps,4MP@9CHx25fps,3MP@9CH ×25fps,1080P@9CH ×25fps, 960P@9CH×25fps,720P@9CH×25fps, D1@9CH×25fps NTSC: 12MP@6CHx30fps,4K@9CHx30fps,5MP@9CH ×30fps,4MP@9CH×30fps,3MP@9CH×30fps,1080P@9CH×30fps, 960P@9CH×30fps,720P@9CH×30fps,D1@9CH×30fps
Record Mode	Manual\Timer\Motion Detection\Smart Event
Playback & Backup	
Local Sync Playback	1CH 12MP@30fps,1CH 8MP@30fps,2CH 5MP@30fps,4CH 4MP@30fps,7CH 1080P@30fps,9CH 720P@30fps,9CH D1@30fps
Decode Capability	1080P(1920x1080)@210fps

Remote Sync Playback	YES
Search Mode	ALL, Timing Video, Motion Detection, Tag search,Smart Event,Pictrue,Log
Playback Functions	Play, pause, fast forward, rewind, previous frame, next frame, electronic zoom, clip, audio
Backup Mode	USB Device/Network
Network	
Interface	1 x RJ45(10M/100M Adaptive Ethernet Interface)
Incoming Bandwidth	80Mbps
Outgoing Bandwidth	80Mbps
Network Functions	IPv4/IPv6/TCP/IP, HTTP,HTTPS, UPnP, DNS, NTP, SMTP, DHCP, FTP, DDNS, RTSP, RTCP, p2p,PPPOE, SNMP
Onvif	Profile S, Profile T
Web Browser	Edge,IE8-11, Google Chrome , Firefox ,Safari
CMS Software	Support Windows 7/ Windows 8/Windows 10/Windows 11/MAC OS
Cloud Support	Yes
Smart Phone	iPhone, Android
POE	N/A
WIFI	N/A
Storage	
Interface Type	1 SATA Hard Disk Interface (3.5" SATA)
Capacity	Up to 8TB capacity
eSATA	N/A
General	
Language UI	Simplified Chinese, Traditional Chinese, English, Polski, Czech, Arabic, German, French, Portuguese, Spanish, Italian, Hungarian, Korean, Dutch, Greek, Janpanese, Ukrainian, Kazakh, Hebrew
USB Interface	2 USB 2.0 Interfaces
RS485	N/A
Power consumption	DC12V1.5A ≤ 6W (Without Hard Disk)
Working Environment	-10℃～50℃, 10%～90%(humidity)
Product Dimension(W×D×H)	200*175*40(mm)
Net Weight	0.5kg(without HDD)
Gross Weight	0.9kg(without HDD)