



## SPECIFICATION

<b>Model NO.</b>	<b>NVR-648BP16</b>
<b>System</b>	
Main Processor	Quad Cortex A53
Operating System	Embedded LINUX
<b>Video</b>	
Input	64ch(16MP/12MP/8MP/6MP/5MP/4MP/3MP/1080p/1280x1024/960p/720p/D1/CIF)
Output	2*HD,1*VGA
<b>Audio</b>	
Input	1 Port RCA, support 64CH IPC audio input
Output	1 Port RCA(Linear, 1kΩ), HD output
Audio Bit Rate	64kbps
Audio Compression standard	G711U, G711A, AAC, MP2L2
Intercom	support (two-way)
<b>Alarm</b>	
Sensor Input	16CH
Output	4CH
Motion Detection	64Channel, MD Zones: 396 (22 × 18)
Trigger Events	Recording, Email, FTP, Snapshot and Screen Tips, Pop-up Window, Buzzer, Notify Surveillance Center, Alarm Output
<b>Display</b>	
HD Output1	4K(3840*2160)/2K(2560*1440)/1920*1080/1280*1024/1280*720/1024*768
HD Output2	1920x1080, 1280x1024, 1280x720z, 1024x768
VGA	1920x1080, 1280x1024, 1280x720, 1024x768
Display Split	HDMI1/VGA: 1/4/6/8/9/13/16/17/25/36/64 HDMI2: 1/4/6/8/9/10/13/16
Digital Zoom	YES
OSD	Camera Title, Time, Recording, Motion Detection, Event Alarm
<b>Event</b>	
Smart Event	Intrusion Detection, Line Crossing Detection,Region Entrance,Region Exiting,Loitering Detection,People Gathering Detection, Face Detection, Illegal Parking, Line Crossing Count, LPD(License Plate Detection), LPR(License Plate Recognition), Object Left Behind, Object Removed, Heat Map
Normal Event	Motion, Video Tampering, Video Loss, Alarm Input, Audio Detection, Scene Change
<b>Recording</b>	
Video Compression	H265/H264/H265+/H264+
Resolution	16MP(7680×2160), 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(1280×960),720P(1280×720),960H(960×480),D1 (720×576/720×480)
Record Rate	PAL : 16MP@64CHx20fps,12MP@64CHx25fps,8MP@64CHx25fps,5MP@64CHx25fps,4MP@64CHx25fps,3MP@64CHx25fps,1080P@64CHx25fps,960P@64CHx25fps,720P@64CHx25fps, D1@64CHx25fps NTSC: 16MP@64CHx20fps, 12MP@64CHx20fps,8MP@64CHx30fps,5MP@64CHx30fps,4MP@64CHx30fps,3MP@64CHx30fp,1080P@64CHx30fps,960P@64CHx30fps, 720P@64CHx30fp, D1@64CHx30fps
Record Mode	Manual\Timer\Motion Detection\ Alarm\Smart Event
<b>Playback &amp; Backup</b>	
Local Sync Playback	1CH 16MP@25fps, 2CH 12MP@30fps,4CH 8MP@30fps,6CH 5MP@30fps,8CH 4MP@30fps, 16CH 1080P@30fps, 16CH 960P@30fps, 16CH 720P@30fps,16CH D1@30fps
Decode Capability	1080P(1920x1080)@480fps

Remote Sync Playback	YES
Search Mode	ALL, Timing Video, Motion Detection, Alarm,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
<b>Network</b>	
Interface	1xRJ45 10M/100/1000MAdaptive Ethernet Interface
Incoming Bandwidth	640Mbps
Outgoing Bandwidth	512Mbps
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 10/Windows 11/MAC OS
Cloud Support	Yes
Smart Phone	iPhone, Android
POE	16x Independent 100Mbps POE Network Interfaces(Output Power AT mode 30W per Interface, AF mode 15W per Interface), 45/78 line order, Total Power Outputs≤ 200W, Support Plug and Play, Support network cable extended mode Max. 200M
WIFI	N/A
<b>Storage</b>	
Interface Type	8 SATA Hard Disk Interface (3.5" SATA)
Capacity	Up to 10 TB capacity for each HDD
eSATA	1 eSATA
<b>General</b>	
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	Front panel 2 x USB2.0, Rear panel: 1 x USB3.0
RS485	1port
Power consumption	100-240V AC , 50/60Hz ≤20W(Without Hard Disk and POE)
Working Environment	-10℃ ~50℃, 10%~90%(humidity)
Product Dimension(W×D×H)	440mm × 428mm × 90mm (17.3" × 16.8" × 3.5")
Net Weight	7.63kg(without HDD)
Gross Weight	9.15kg(without HDD)