



Model	NS-8Bay	NP-8160
Image		
<b>Video &amp; Network</b>		
Number of Channels	8 or 16	16
Recording Throughput*	80Mbps	<b>200Mbps</b>
H.265 Decoding	X	<b>480fps @ 1080p or 120fps @ 4K</b>
H.264 Decoding	180fps @ 1080p or 360fps @ 720p	480fps @ 1080p or 120fps @ 4K
Video Output	HDMI, VGA	HDMI, VGA
Output Resolution	Up to 1080p	Up to 1080p
<b>Storage</b>		
Number of HDD	8 x 3.5" SATA	8 x 3.5" SATA
External Storage	1 x eSATA	1 x eSATA
Max Storage Per HDD	6TB	4TB
RAID Level	0, 1, 5, 10 (NS-8xx5) Single (NS-8XX0)	0, 1, 5, 10
RAM	DDR3 1GB	DDR3 2GB

External Interface		
<b>Ethernet</b>	2 x RJ45 10/100/1000 Mbps	2 x RJ45 10/100/1000 Mbps
<b>USB Interface</b>	4 x USB 2.0	3 x USB 2.0 1 x USB 3.0
<b>Audio Support</b>	Two-way	Two-way
<b>Alarm I/O</b>	16 x Input / 4 Output	4 x Input / 4 x Output
System		
<b>OS</b>	Embedded Linux	Embedded Linux
<b>Dual Monitor</b>	v	v
<b>Dual Stream Recording</b>	v	v
<b>Advanced Camera Installation Tool</b>	v	v
<b>P2P Service (findNVR)</b>	v	v
<b>Remote Clients</b>	Windows application, Web client, Mobile app	Windows application, Web client, Mobile app
<b>Web Browsers</b>	Internet Explorer, Chrome, Safari	Internet Explorer, Chrome, Safari
<b>Mobile Platforms</b>	iPhone, iPad, Android	iPhone, iPad, Android
<b>POS integration</b>	v	v

<b>Live View Controls</b>	Live view, Preset / Go, PTZ, Remote I/O, Snapshot, Digital PTZ	Live view, Preset / Go, PTZ, Remote I/O, Snapshot, Digital PTZ
<b>Intelligent Search via Web/Remote</b>	General motion, Missing object, Foreign object, Lose focus, Camera occlusion	General motion, Missing object, Foreign object, Lose focus, Camera occlusion
<b>ONVIF Profile G</b>	v	v
<b>Physical</b>		
<b>Power</b>	AC 100V~240V, 60~50Hz	AC100~240V, 47Hz~63Hz
<b>Max Power Consumption</b>	80W / max 250W	35W / max 250W
<b>Chassis</b>	330 chassis	2U 19" rack-mount
<b>Dimensions</b>	442 x 438 x 88.5 mm	440 x 432 x 90 mm
<b>Weight (Without HDD)</b>	9 kg	7 kg
<b>Operating Condition</b>	0° C - 40°C	-10° C ~ 55°C

\*Total Throughput might vary by environment setting.

## Performance Comparison

Video format: H.264

RAID Type: RAID 0

With Local Display

	NS-8165	NP-8320
Throughput	56 Mbps	208 Mbps
Total FPS(1 <sup>st</sup> stream)	1080P@120FPS	1080P@480FPS
Total FPS(2 <sup>nd</sup> stream)	VGA@250FPS	VGA@960FPS
Local View	VGA@30FPS*16ch	VGA@30FPS*32ch
CPU Loading	56%	32.35%