

Title:	Software RAID vs. Hardware RAID				
Date:	01/28/2015	Version:	1.0	Pages	1
Product:	DS-96xxNI-ST/XT				
Action Required:	Information only				

As technology developed today, the performance of software RAID is going to match with hardware RAID, except for the following drawbacks:

1. When the software RAID is enabled, the input and output bandwidth of NVR will be diminished by half. The detail information shows in the table below:

	Input Bandwidth (Mbps)	Output Bandwidth (Mbps)
<b>DS-9664NI-ST/XT</b>	200 without software RAID 100 with software RAID	160 without software RAID 80 with software RAID
<b>DS-9632NI-ST/XT</b>	200 without software RAID 100 with software RAID	160 without software RAID 80 with software RAID
<b>DS-9616NI-ST/XT</b>	100 without software RAID 50 with software RAID	240 without software RAID 120 with software RAID

2. When the software RAID is enabled, the processor in NVR will be slowed down and could result in slight stuck randomly in menu operation or in IE response.