

Title:	Software RAID vs. Hardware RAID	Version:	1.0	Date:	01/28/15
Product:	DS-96xxNI-ST/XT				
Action Required:	None, Information Only				

Summary

As technology develops, the performance of software RAID is going to match that of hardware RAID, except for the following drawbacks:

1. When software RAID is enabled, the NVR input and output bandwidth will be diminished by half. Detailed information is displayed in the following table:

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

2. When software RAID is enabled, the NVR processor will slow down and could result in being slightly stuck randomly in menu operations or Internet Explorer (IE) response.