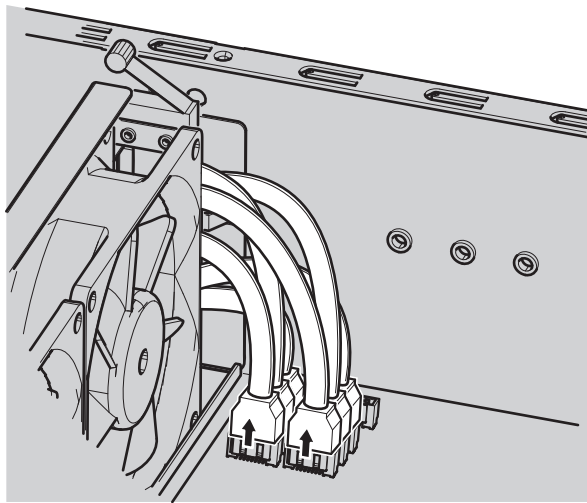# Installing a DSSRV-RAID Controller Card

The unit must be turned off, unplugged, and the chassis cover open before you can install hardware.

DSSRV-RAID is an internal controller card that can be installed in DSSRV2 and DSSRV2-DVD units to manage your video storage in a RAID 5 array.

A RAID 5 array requires at least three drives. One drive in the array is used for parity, reducing net storage capacity by one drive. Installing the RAID controller will cause your drives to go through a rebuild cycle, deleting all recorded video. Ensure that your video data is backed-up before installing the RAID controller.
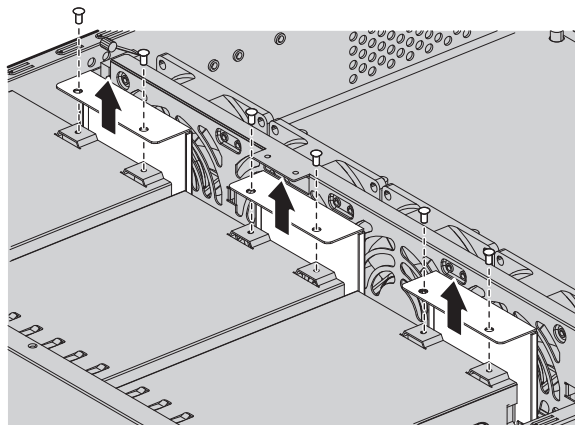
The RAID controller card does not support Unified Extensible Firmware Interface (UEFI) booting. If enabled, you must disable UEFI before the unit will start up with a RAID controller installed.

1. With the chassis open, remove the SATA cable ties from the inside left of the unit.

2. Carefully disconnect the SATA cables from the motherboard.

Figure 1: Disconnecting SATA Cables from the Motherboard

3. Remove the drive carriers from the front of the unit.

    a. Open each drive carrier's latch by pulling the latch to the left.

    b. Slide the drive carriers gently out of their bays.

4. Remove the top two screws on the backplanes.

Figure 2: Lifting the Backplanes

Models

The following table describes DSSRV2 and DS-CPPC model numbers. For example, a 12 TB DSSRV2 unit with a power cord for the United Kingdom is DSSRV2-120-UK.

Model	Storage	Country Code
NVR Without Optical Disc Drive		
DSSRV2-005	500 GB	
DSSRV2-040	4 TB	
DSSRV2-080	8 TB	
DSSRV2-120	12 TB	
DSSRV2-160	16 TB	
DSSRV2-200	20 TB	
NVR With RAID Configuration		
DSSRV2-120RD	12 TB	
DSSRV2-160RD	16 TB	US = North America, AU = Australia, AR = Argentina, EU = Europe, UK = United Kingdom, CN = China
DSSRV2-200RD	20 TB	
DSSRV2-240RD	24 TB	
NVR With Optical Disc Drive		
DSSRV2-005DV	500 GB	
DSSRV2-040DV	4 TB	
DSSRV2-080DV	8 TB	
DSSRV2-120DV	12 TB	
DSSRV2-160DV	16 TB	
Workstation Running DS ControlPoint		
DS-CPPC	4 TB	

Supplied Accessories

Keyboard (USB)	1
Mouse (USB)	1
USB-DS	Includes recovery image and documentation
Bezel Key	2
Rack Mount Kit	1
Power Cord	1

NOTE: Units shipped to China do not include power cords.

Optional Accessories

DS-SW-CAM	DSSRV2 models include licenses for 8 IP cameras; additional DS-SW-CAM license can be purchased separately
ENC5516	Direct-attached analog encoder
ENC5400-4PORT	4-port host card (analog); allows for connection of up to 4 ENC5516 encoders
DSSRV-RAID	LSI 3Ware 9750-8i RAID controller card
DSSRV-SCSI	Adaptec® SCSI card 29320LPE
DSHDD-005	500 GB upgrade/replacement drive
DS-EN-HDD-040	4 TB upgrade/replacement drive