



## VRU Series

Video Recording Units for high capacity recording

### Overview

The Video Recording Unit (VRU) equipments offer a very compact and high capacity SCSI to SATA RAID recording solution. They are designed for industrial environments and respond to the needs of professional video security applications.

### Compact

The Video Recording Units are external, high density, rack mounted recording enclosures which are available in 3 configurations: VRU 810, VRU 1210 and VRU 1610. Connected through a SCSI interface to the Enhanced Centralized Video Recording Server (ECVRS) or Evolution HD equipment, they offer high capacity and long duration local, distributed or centralized recording of video and audio.

### Professional design

The Video Recording Units provide any RAID functionality with highest performance to ensure the integrity of your recordings and archiving.



### Standard Features

- RAID levels: 0, 1 (0+1), 3, 5, 10, 30, 50, 60, NRAID and JBOD
- Up to 16 SATA hard disks in a 3U enclosure (VRU 1610)
- Up to 8 or 12 SATA hard disks in a 2U enclosure (VRU 810, VRU 1210)
- Fully integrated system backplane
- Dual SCSI-U320 host channels - SAN ready
- Cableless connection to all hard disks for better performance and reliability
- 2 (VRU 810, VRU 1610) or 3 (VRU 1210) hot-swappable fans, located at the back for easy maintenance
- 2 hot-swappable redundant power supplies
- Hot-spare, hot-swap, and on-line auto-rebuild function support
- Auto failure detection
- Hot-swappable hard disks with LEDs to indicate hard disk status
- System monitoring (fan, power, disk drives, ...) via LED indicators, audible alarm and through SNMP or management software

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## Specifications

Physical	
Dimensions	VRU 810/ VRU 1210: 446 (W) x 88 (H) x 490 (D) mm (2U-19") VRU 1610: 445 (W) x 130 (H) x 487 (D) mm (3U-19")
Weight	VRU 810: 16 kg (net, without HD), 22 kg (gross, with HD's) VRU 1210: 18 kg (net, without HD), 27 kg (gross, with HD's) VRU 1610: 18 kg (net, without HD), 30 kg (gross, with HD's)
Power supply	2 redundant power supplies (VRU 810, VRU 1210: 2 x 350 W; VRU 1610: 2 x 460 W)
Cooling fans	2/3 redundant cooling devices
Temperature	Operating: 0°C to 40°C, 5-95% RH
<b>RAID controller</b>	State-of-the-art 400MHz RISC processor
<b>Hard disk enclosures</b>	8/12/16 hot-swappable SATA hard disks
<b>Capacities (with 400 GB hard disks)</b>	
VRU 810	2.5 TB (net, with RAID 5 enabled)
VRU 1210	4 TB (net, with RAID 5 enabled)
VRU 1610	5.5 TB (net, with RAID 5 enabled)
<b>RAID level</b>	Supports RAID levels 0, 1 (0+1), 3, 5, 10, 30, 50, 60, NRAID and JBOD
<b>Data transfer rate</b>	363 MB/sec

## Ordering Information

Part No.	Description
VRU Series	Flexible and modular RAID Video Recording Units supporting 8, 12, or 16 bays of hot-swappable drives for local, distributed or centralized recording.



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