KOL-iRAID iSCSI RAID Arrays

- Enterprise-class, iSCSI storage device can be located locally or remotely via network connection.
- Scalable storage with units from 12 to 24 drive bays.
- Ideal solution for primary or backup storage.
- Preconfigured from factory to support up to 4 ViconNet DVRs or NVRs.
- Hot-swap failed drives in an instant with no data loss.

Vicon® KOL-iRAID iSCSI RAID Array devices provide a high-density storage solution that can be used for primary and/or backup data storage. Using the iSCSI standard, the KOL-iRAID units maybe located long distances from the ViconNet® NVRs or DVRs over a standard Ethernet connection. No special interface devices or cabling are required, the units operate over standard CAT-5E or CAT-6 cabling, switches and routers. Data is secure and readily available using the KOL-iRAID device.

Scalable, Flexible and Secure

The KOL-iRAID is offered in 12, 16 and 24-bay systems. Total storage capacity is up to 66 TB of usable storage. A single hot-swap drive is included in each unit to reduce the impact of drive failure.

The iSCSI standard has no distance limitations so your data storage can be located at a safe, secure location miles away from the recording site. Each KOL-iRAID unit has dual-redundant power supplies providing additional peace-of-mind.

Easily Installed, Configured and Maintained

The KOL-iRAID units are rack-mountable and require 2 RU (12-bay units), 3 RU (16-bay units) or 4 RU (24-bay units) vertical space. The units are preconfigured at the factory for RAID 5 storage and can be set up to support up to 4 NVRs or DVRs each. No special power requirements are necessary, each unit operates with 115/230 VAC input power.

Ordering information:

KOL-iRAID12-xxxx(x)   12 bay iRAID configurable from 1 to 20 TB RAIDs.

KOL-iRAID16-xxxxx   16 bay iRAID configurable from 22 to 28 TB RAIDs.

KOL-iRAID24-xxxxx   24 bay iRAID configurable from 30 to 66 TB RAIDs.

Where xxxx(x) is the storage size ranging from 1000 to 66000. RAID 6 also available on request.

Operational

Usable Storage Capacity:	12-bay: Up to 20 TB. 16-bay: Up to 28 TB. 24-bay: Up to 66 TB.
Supported RAID Levels:	0, 1, 5 and 6.
User Controls:	SANWatch.
Cache:	Up to 2 GB per controller.
iSCSI Transfer Rate:	1 GB/sec per iSCSI port.
Input/Output Connectors:	2 - 6 iSCSI 1 GB ports (model dependant). RS-232 9-pin serial port connector.
Status Indicators:	LEDs for controller, fan module, power supply modules, and drive trays.
Certifications:	FCC Class A; CE; UL.

Environmental

Operating Temperature:	0° to 40°C
Humidity:	Up to 95% relative, non-condensing.

Warranty

3 years parts and labour.

Electrical

Input Voltage:	115/230 VAC, 50/60 Hz with auto-switching/ auto-ranging.
Current:	12-bay: 1.6 A @ 230 VAC. 16-bay: 2.3 A @ 230 VAC. 24-bay: 2 A @ 230 VAC.
Power Consumption:	12-bay: 350 W. 16-bay: 530 W. 24-bay: 460 W.
Heat Output:	12-bay: 1194 btu/h. 16-bay: 1807 btu/h. 24-bay: 1573 btu/h.
Power Connector:	Standard 3-conductor female socket.
Power Supplies:	Dual or triple redundant hot-swappable internal power supplies (12 - 350W, 16 - 405W, 16 - 530W)

Note: Vicon requires the use of uninterruptible power supply systems (UPS) to prevent voltage fluctuations that can affect operation and cause damage to the equipment. Failure to comply voids the warranty.

Mechanical

Application:	Indoor.
Mounting:	Standard 19 in. (483 mm) rack mount and stackable. Mounting brackets and rails included.
Dimensions:	12-bay: Height: 88 mm 2 RU. Width: 445 mm. Length: 514 mm. 16-bay: Height: 130 mm 3 RU. Width: 445 mm. Length: 514 mm. 24-Bay: Height: 178 mm 4 RU. Width: 445 mm. Length: 514 mm.
Weight (without drives):	12-bay: 15.3 kg. 16-bay: 18.6 kg. 24-bay: 21.6 kg.

Features and specifications are subject to change for further improvement without any notice

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