DigiEye 3G-RAID

The DigiEye RAID Storage Options

What is 3G-RAID?

DigiEye 3G-RAID is a range of options that **increases** the **storage capacity, optimizes data protection** and **improves** the **reliability** of DigiEye 3G applications.
 The range of 3G-RAID models is designed to suit any budget and includes different sizes and performance levels. All models are **fully configured, tested and ready for use**.
RAID level 5 is the chosen standard configuration for each model; ensuring optimal performance, high fault tolerance and cost effectiveness as well as guaranteeing redundancy in the event of the failure of a hard disk. 3G-RAID uses **hot spare** disks to automatically rebuild all disk contents without disruption to operations and loss of data. **Hot swap** features (included in 3G-RAID-Rxx) enable the replacement of the faulty hard disk with a new hot spare hard disk - without disturbing DigiEye 3G operations.

Why 3G-RAID?

DigiEye 3G is an advanced multifunctional digital system that combines a number of different recording condition settings, scheduler flexibility and the SYAC DELTA image compression algorithm: all designed to optimize the use of available **storage space**. However, some applications have specific requirements that can't be satisfied by internal hard disks and others require high reliability and data protection in the event of hard disk failure.
DigiEye 3G-RAID is designed to handle such situations.

3G-RAID Models

3G-RAID-D5 is a **cost-effective solution** with a compact 5-bay desktop enclosure that offers RAID level 5 redundancy. With current hard disk sizes (300GB) that means a hot spare hard disk plus 900 GB of useful storage space or 1.2 TB without hot spare.
The **professional rack-mount** line - **3G-RAID-R08, 3G-RAID-R12** and **3G-RAID-R16 -** guarantees **maximum reliability** and offers **flexibility** in the selection of total storage size. In addition to standard features such as RAID level 5, hot spare and hot swap; all professional models include **two power supply units** and **two cooling fan modules** that increase reliability. A **dual channel host** interface enables the connection of two DigiEye 3G systems on the same RAID unit, significantly **reducing costs**.

Choosing the right RAID model

3G-RAID-D5 is ideal for applications where equipment is not mounted in the rack, when **large** and **reliable storage is required** and when **keeping costs at a minimum** is an issue.
3G-RAID-R systems are best suited to **professional rack-mounted installations** where **maximum reliability** and **large storage space** is essential. These professional models become **cost effective** in applications where a large number of cameras are deployed throughout the same location. For example, in a shopping mall, a RAID unit can be installed in a rack shared by two DigiEyes leading to significant cost savings.

SYAC is the creator of DigiEye, the world's first networked digital video and audio management system. SYAC products are 100% designed, developed and manufactured by SYAC and have been successfully deployed in stores, banks, educational, industrial, public transport and governmental facilities, airports, parking lots and event venues all over the globe. SYAC's high performance, ultra-reliable intelligent security solutions have been protecting the lives and assets of people worldwide since 1988.

For further information, please contact us at info@syac.com or visit our website – www.syac.com