

Features

- 12/16 hot-swappable SAS/SATA drive bays in a robust 2U/3U chassis
- 3Gb/s Serial Attached SCSI and Serial ATA drives support
- SAS expansion for easy scalability
- 1GB ECC shared cache
- CacheSafe technology protects cached data during a power outage
- Single or Dual hot-swap redundant power supply unit with 80PLUS Certified
- LCD Panel support
- Wake-on-LAN support
- Redundant and hot-swappable hardware components eliminate single point of failure
- Multiple hardware RAID levels protect data against drive failure

Downtime can have serious consequences for enterprises and SMBs. The challenge for SMBs is to pro-actively prevent downtime within a limited budget. With today's price points in mind, Instek Digital's storage solution provides comprehensive data protection to ensure the highest data availability for the storage area network (SAN). Coupled with advanced hardware design, modular architecture, easy and intuitive management and exceptional price-performance, IP SAN brings price-conscious companies a decisive competitive edge by making IT efficiency keep up with growing storage needs.

High-Availability SAN Delivers Great Price-Performance

Data availability is critical to any business operation. Instek Digital's IP SAN storage solution features high-availability hardware designs with redundant, hot-swappable hardware components, such as power supplies and cooling fans, to eliminate single point of failure. Hardware RAID protection ensures data accessibility during drive failure. Optionally in the event of a power outage, CacheSafe technology will automatically leverage power of the Battery Backup Unit (BBU) to safeguard cached data by writing it to the flash module for permanent retention. Leveraging Instek Digital's world class RAID engine, the IP SAN storage solution delivers breakthrough performance for demanding business applications. The models supporting Small Form Factor (SFF) drives can further increase performance density to support highly IO-intensive applications.

Flexible Scalability

The Instek Digital IP SAN storage solution supports dynamic scaling to aid in the planning for future storage growth while satisfying the current storage needs. Flexible drive type and capacity support (3.5-inch, SAS or SATA) satisfies current applications and enables you to accommodate future needs. The IP SAN storage solution can be expanded to up to 112 drives to meet the proliferation of storage growth. The "scale as you grow" flexibility of the IP SAN storage solution minimizes upfront investment and provides the best overall Total Cost of Acquisition (TCA).

Intuitive and Easy Management

Instek Digital believes that storage management should be simple. With Instek Digital's web management, necessary functions to configure, manage and monitor the IP SAN are only a few clicks away. Status, event information, partitions and firmware upgrade options can be managed on the browser's window. Automatic critical event notifications can be customized to suit the most critical storage environment. Instek Digital's web management will guide users through initializing, configuring and maintaining the IP SAN every step of the way.

High Energy Efficiency

Contributing to environmental sustainability, the Instek Digital IP SAN storage solution enables energy cost-savings while maintaining performance. It is equipped with power saving designs such as high-efficiency power supplies, dynamic cooling mechanism and intelligent multi-level drive spindown technology.

MATRIVIDEO

A complete system to provide high resolution, long term digital video storage and IP based CCTV solution on a scalable and reliable platform. MatriVideo™ is a complete solution for digital video surveillance. It is a platform that incorporates the legacy analog CCTV system and new IP-based digital surveillance system with a hybrid configuration, distributed enterprise architecture and centralized management.

MatriVideo™ is an open platform that adopts the latest IT technology yet provides easy installation and configuration for security professionals. It is designed with flexibility and scalability for enterprise video management. MatriVideo™ answers the need for larger storage capacity, networkable components, smarter image searching and playback, high image resolution and easier camera relocation. It provides a total solution that meets the emerging and diverse demands of the security industry.

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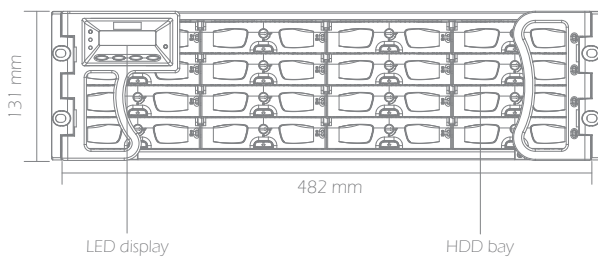


Specifications

Model	HR-DS2112-IP	HR-DS2116-IP
Function	IP SAN storage	
Storage controller	Single	
Host (NVR) connectivity	2 x 1GbE iSCSI ports	4 x 1 GbE iSCSI ports
Cache memory (per controller)	1 GB	
Drive connectivity	3Gb/s SAS connectivity / accommodates 3.5" disk drives / S.M.A.R.T. support	
Max drives (per system)	12	16
Max drives (via JBOD)	84	112
SAS expansion port (per controller)	1 x 3Gb/s SAS 4x wide port	
Supported drives	300 / 400Gb - 3.5" 15,000 RPM 3Gb/s SAS drives 450 / 600Gb - 3.5" 15,000 RPM 6Gb/s SAS drives / 2TB - 3.5" 7,200 RPM 6Gb/s Nearline SAS drives 1 / 2 TB - 3.5" 7,200 RPM 3Gb/s SATA drives	
RAID configurations	RAID level 0, 1(0+1), 3, 5, 6, 10, 30, 50, 60	
Availability and reliability	Redundant, hot-swappable hardware modules / Redundant, hot-swappable hardware modules	
Management	Automated cache flush and caching mode operation per enclosure status / Web Browser management GUI LCD keypad panel for monitoring and access to all configuration options Module status LED indicators: component presence detection & thermal sensors via I2C bus	
Notification	Various event notification methods including email, LAN broadcast, fax, SNMP traps, SMS, and MSN	
Electric power source	AC 100 ~ 240V	
Power output	2 x 350W	2 x 530W
Operating temperature	0 ~ 60°C	
Form factor	2U rack-mountable chassis	3U rack-mountable chassis
Dimensions (mm)	513(L) x 446(W) x 88(H) mm (w/o box)	514(L) x 446(W) x 130(H) mm (w/o box)
Weight (kg)	15.3 (w/o box)	18.56 (w/o box)

a) The actual video display performance may vary according to type of camera(s) and lighting condition.
 b) Product specifications and availability are subject to change without notice.
 c) MatrixVideo™ is a registered trademark of Instek Digital Co., Ltd. All other trademarks are property of their respective owners.

Front View



Rear View

