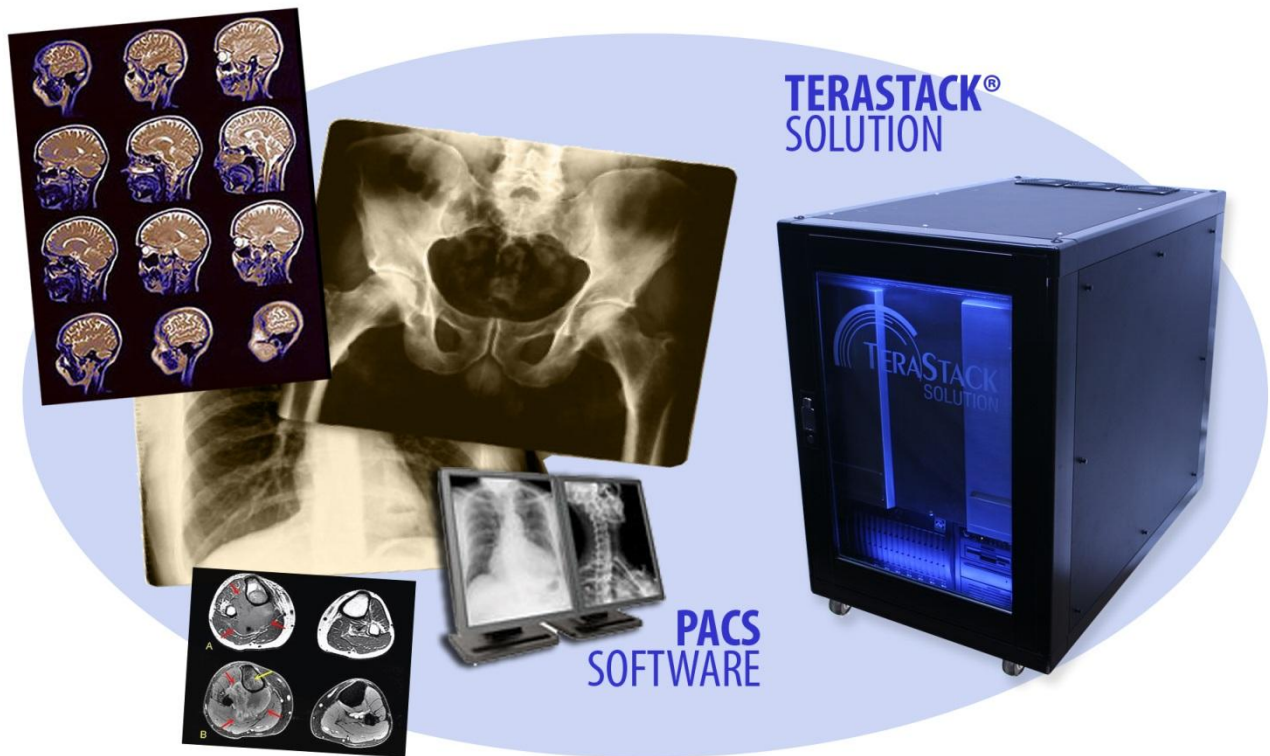


# Hie Electronics' TeraStack® Solution

## Picture Archiving and Communication System Integration



### Integration Features

- Seamlessly integrate with most commercially available PACS software platforms
- Continue normal day to day operation of your PACS software with automated business rule-based file archive and retrieval
- Streamline productivity with increased data retention and integrity
- Backup, archive, and restore proprietary file types as defined by the PACS platform
- Target existing file structures for automatic backup and archive of all electronic data
- Software platform can be hosted directly on the TeraStack® Solution application server

### TeraStack® Solution Features

- Cost-effective, turn-key solution that can be implemented quickly and easily
- Provides up to 42 terabytes (TB) of online RAID capable storage and 50TB of extendable, randomly accessible nearline data storage
- 600 watt nominal power draw reduces total energy consumption and carbon footprint
- Over 50 years of data integrity with rewritable or WORM (write-once-ready-many) Blu-ray optical media
- Energy passive Blu-ray optical media reduces offline storage cost and volatility
- Sustained data throughput rated at 115 MB/sec
- Burst data throughput rated at 400 MB/sec



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## Picture Archiving and Communication System Integration

### Technical Specifications

#### ELECTRICAL

Input Voltage 110/220 VAC, 50/60 Hz  
Power Consumption Nominal 600 watts

#### MECHANICAL

##### Connectors

6-pin mini-DIN PS/2 keyboard, mouse  
DB9 COM 1  
DB15 (2) VGA ports  
RJ-45 10/100/1000 Megabit Ethernet port  
and RS-485/RS-422 ports  
USB (4) high-speed USB 2.0 ports  
Audio Connectors (1) 3.5mm audio output

#### GENERAL

TBYTe® Server  
Operating System

Dual AMD Opteron CPU, 8GB RAM  
MS Windows® Server 2003 Enterprise  
(4-14) Blu-ray Burners

##### Supported Media

BD-R, BD-RE, DVD-R, DVD-RW  
BD-ROM, DVD-ROM

##### Dimensions

22 W x 35.5 D x 30 H inches  
15U rack mount

##### Unit Weight with Media

400 lb (182 kg)

#### ENVIRONMENTAL

Operating and Offline  
Storage Temperature

50° to 90° F (10° to 35° C)

Relative Humidity

Maximum 90%, non-condensing

### Additional Information

Hie Electronics provides the “Green” solution to all of your data storage needs. The TeraStack® Solution allows for the automated storage and management of vast quantities of non-volatile, dense optical media storage. The TeraStack® Solution is an Active Archive™ as it stores and restores up to 92TB of randomly accessible data with the ability to hot-swap interchangeable TeraStacks for an essentially limitless storage capacity. The TBYTe® is seamlessly extendable into petabytes by using multiple systems. The TeraStack® increases capacity as media capacities increase without changing your infrastructure demands in footprint or increasing power consumption. The TeraStack® Solution offers unrivaled cost-effectiveness and reliability coupled with the most environmentally-friendly solution available. When integrated with commercially available software, the TeraStack® Solution supplies innovative **backup and disaster recovery** capabilities, **HIPAA-compliant medical data retention**, architectural and **3-dimensional model file storage**, **enterprise content management retention** capabilities, as well as **critical data backup and archival** for small, medium, large, and growing enterprises.



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