



"The Future of Archiving today"

## Solution Brief

### Bidirectional Health Information Exchange (BHIE) Archive



#### Overview

BHIE is a secure, bidirectional and real time display of viewable electronic health information between the Departments of Veterans Affairs (VA) and Defense (DoD). Using BHIE, VA and DoD are currently sharing almost all essential health information available in electronic format. BHIE also is a significant component of the VA and DoD strategy to achieve the requirement contained in Section 1635 of the 2008 National Defense Authorization Act (NDAA). This legislation required VA and DoD to achieve "full" interoperability of health information back in September 2009.

#### Background

BHIE extended the capability of the one-way Federal Health Information Exchange (FHIE) to permit VA and DoD to share viewable clinical data bidirectionally when shared patients present for care. A "shared patient" is one who is eligible to receive care from both VA and DoD because of status or sharing agreement and who is registered as a patient in both systems. For example, BHIE provides VHA clinicians the ability to view data on active duty Service members who are receiving care at VA facilities, retired service members who are TRICARE eligible and receive some care at VA, and demobilized Guard and Reserve members. BHIE supports the secure sharing of protected electronic health data between VHA's Integrated Systems and Technology Architecture (Vista) and DoD's AHLTA in real time for DoD patients receiving care at VA facilities, and when a veteran returns to a DoD facility for health care.

BHIE supports patient identification correlation and real time bidirectional transmittal and display of:

- Outpatient pharmacy and prescriptions
- Drug and food allergy data
- Laboratory results including chemistries, hematology, surgical pathology, cytology and microbiology reports
- Laboratory orders
- Radiology text reports
- Pre and Post Deployment Health Assessments and Post Health Reassessments
- Inpatient discharge summaries from DoD's major military treatment facilities
- Clinical theater data
- Vital sign data
- Progress notes and ambulatory clinical encounter notes



# DISC BD Series

The future of archiving..

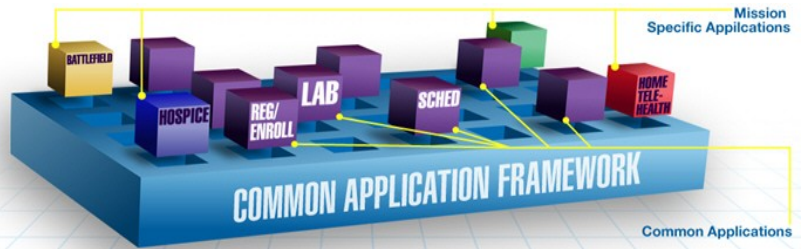


"The Future of Archiving today"

## DISC BHIE BD-SERIES BLU-RAY ARCHIVE

### Overview

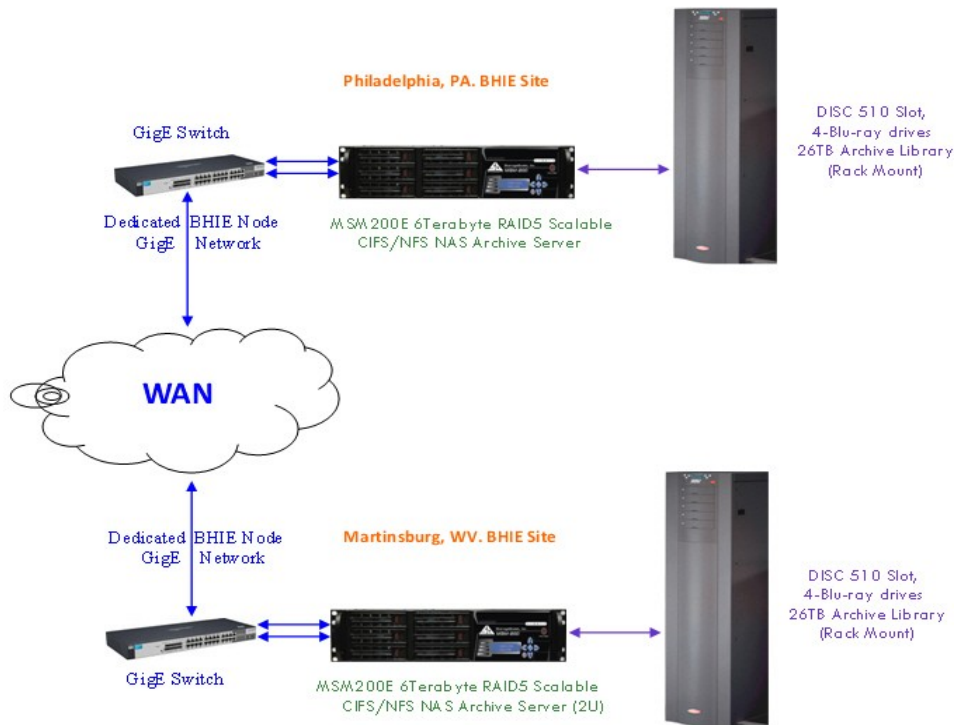
The DISC BD7000-series optical libraries provide compliant Write-Once archiving capabilities to store HIPAA log files for both BHIE Production and COOP systems located in Philadelphia, PA. and Martinsburg, WV. Each DISC 35U BD7000-series library is rack-mounted with a dedicated 2U network-attached storage (NAS) server that provides seamless network connectivity to all Windows CIFS clients over a GigE LAN with no local client agents required. Each Blu-ray disc generated by the DISC archival system is UDF-compliant and can be read on any Linux, MAC, Unix or Windows client without requiring any specialized software. Each DISC BD-series library contains (4) 50GB Blu-ray drives and 510 storage slots, with four (4) each removable hot-swappable 15-disc *SmartPack* technology providing quick bulk media import/export while enabling robust bare media security for off-line media handling and data management.



### Features

The DISC BD7000-series of automated Blu-ray optical archival library automation solutions provide the following features and benefits:

- Long-term 50+ year archival storage media
- Green storage technology providing the lowest power consumption available (<25BTU/hour and 8watts/TB)
- Meets DoD 5015.2, HIPAA, 21 CFR 11, VLER (virtual lifetime electronic record) compliance requirements
- Provides data interchange of BD archive media to any Linux, MAC, Unix, Windows operating system client without requiring 3rd. party software to read UDF media
- Downward compatible and simultaneous on-line access and support of all BD/CD/DVD media within the same library
- Seamless integration to any BHIE application, server and network via industry standard CIFS/NFS protocols as a standard share/mapped drive/mount point and compatible with native operating system ACL's/security
- Provides ability to access on-line, near-line and off-line data to meet time-to-data compliance requirements
- *SmartPack* media management offering hot-swappable media exchange and secure handling of removed media



### DISC Archiving Systems

DISC Archiving Systems is the leading manufacturer of optical archival storage solutions for the long-term retention of digital data. DISC Blu-ray Series provide 50 year media life, scalable design and true green storage.

### EMEA & ASIA PACIFIC

DISC Archiving Systems B.V.  
 Waarderweg 52G  
 2031BP Haarlem  
 The Netherlands  
 Tel.: +31 23 5172 630  
 Email: sales@disc-group.com

### NORTH-AMERICA

DISC Archiving Systems Inc.  
 Box 631145  
 Littleton, CO 80163-1145  
 USA  
 Tel.: +1866 960 9345  
 Email: salesUS@disc-group.com



www.disc-group.com

