Symbia SPECT and SPECT/CT

System Security

Protect your most important assets
—today and in the future.

siemens.com/mi
Addressing the threat of cyberattacks on healthcare facilities has become a strategic issue for organizations of every size. Widely publicized data breaches have raised concerns for healthcare providers, as well as fueled patient interest over how personal information is handled. These growing pressures have triggered the need for more secure medical imaging technology in order to better protect against internal and external threats that can negatively impact patient care, compromise regulatory compliance, cause financial loss, and damage credibility.

Symbia™ SPECT and SPECT/CT System Security builds on our long-term experience in developing solutions to harden and defend your imaging systems and IT infrastructure.

Comprising a bundle of solutions that enable you to confront primary IT cybersecurity factors, Symbia SPECT and SPECT/CT System Security helps you manage and mitigate the risks of unauthorized system access, exposure of health information, and manipulation of your medical equipment.
Symbio SPECT and SPECT/CT System Security

- Ransomware attacks
- Sniffing of protected health information
- Unintentional damage by users
- Malware infection
- Medical identity theft
- Unauthorized access
- Ransomware attacks
- Manipulation of equipment and diagnostic data

powered by syngo MI Apps V821
As part of our commitment to helping you achieve the level of security and privacy you require, a number of options are available to ensure your software is up-to-date throughout the lifecycle of your new and installed Symbia systems.

Understanding security is not an option. Symbia System Security Basic is a standard feature in our syngo® MI Apps VB21 software. For increased protection, we also offer syngo Security Package, which provides additional tools for strengthening your IT environment and imaging systems.
Standard with *syngo* MI Apps VB21

**Hardened operating software**
- Uses a hardened Windows® version that enables firewalls and restricts network communication to the clinically relevant DICOM nodes (for example, PACS and RIS)

**Strong passwords**
- Increases your level of protection with stronger user passwords in compliance with your organization’s password policy

**Whitelisting software protection**
- Allows only applications defined for use on your medical device to run, which helps prevent external parties from manipulating system code and running dangerous applications

**Trusted nodes**
- Reduces the risk of data manipulation by authenticating predefined secure medical devices in your network (for example, PACS servers)

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**Greater confidence with an added level of protection**

**User management**
- Defines individual user accounts and protects scanner access with a strong user password. This helps prevent unauthorized usage and enables the audit trail function.

**Audit trail**
- Enables evaluation of who is accessing protected health information (PHI). Recording audit trail entries is required for compliance with the U.S. Health Insurance Portability and Accountability Act (HIPAA).

**Functional roles**
- Supports the creation of individual privileges and restricts scanner usage according to your organization’s defined user hierarchy

**Patient groups**
- Limits user access to specific patients, which helps safeguard sensitive patient information (for example, data of VIP patients)

**DICOM encryption**
- Transmits encrypted health data confidentially via secure DICOM

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**Basic**

**syngo Security Package**
Security for all your systems

Secure your entire family of Symbia systems

**SPECT/CT**
- Symbia Intevo Bold™
- Symbia Intevo™
- Symbia T Series

Improved confidentiality
Protected health information is not disclosed to unauthorized persons.

Data integrity
Protected health information cannot be altered or deleted by unauthorized person.
Secure data access
Sensitive information stored on the medical device can only be accessed by authorized persons.

Assured authenticity
User identities can be verified any time.

Integrated accountability
Any modifications to information can be attributed to the person responsible.

Enhanced authentication
Supports PKI (public key infrastructure) user authentication.
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