



Safeguard your system with advanced cybersecurity solutions

Definium™ & AMX™ HD X-ray systems*



GE HealthCare

Today's healthcare environment is seeing rapid changes in the areas of data privacy and security due to increased risk of cyberattacks, malware and security vulnerabilities.

Are your medical devices protected? GE HealthCare is committed to safeguarding Protected Health Information (PHI) and Personal Information (PI) on medical devices by helping provide barriers to unauthorized access with multiple levels of protection.

System protection

Anti-virus



Definium™ & AMX™ HD X-ray systems provide anti-virus for protection from malware. Users can initiate a scan at any time, and errors will be reported.

Benefit: Monitors complete X-ray system for malicious viruses and provides the ability for local scan and upgrade of anti-virus engine and virus definition file.

Intrusion detection



Host Based Intrusion Detection evaluates and detects an alteration to X-ray system software.

Benefit: Ensures the integrity of system files and alerts suspected compromised data.

Information protection

Data at rest security



Patient Information (PI) data is encrypted and stored on the X-ray system internal hard drive.

Benefit: Prevents compromising of data in case of remote access or physical theft or hard drive.

DICOM® data in transit



Supports secure interconnections to external storage systems. This includes connections to DICOM servers and supports optional DICOM Transport Layer Security (TLS).

Benefit: Provides encryption when sent to PACS.

Identification & authentication

Access controls



Access control includes user account creation and assigning privileges. Supports enterprise account management.

Benefit: Helps control access to sensitive information.

User authentication



The user authentication step verifies the user attempting to access the system is the user associated with the account given.

Benefit: Controls access and provides traceability to exams by users.

Operating system



The system is based on HELIOS Linux¹ or SLES 15², a GE HealthCare version of Scientific Linux, which is based on RedHat Enterprise Linux.

Benefit: Not sensitive to Windows®-based cyber attacks.

Audit & accountability

Audit logging

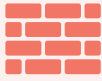


On device Privacy & Security Audit Logging and Accountability Controls support security surveillance and privacy investigations.

Benefit: Provides integrated functionality for audit logging, including audit logging of privacy related events. Also provides support of local log viewer and remote audit log transfer.

Network connectivity

Host firewall configuration



The X-ray system is protected by a network firewall. By default, it is turned on at each booth and rejects unknown network traffic.

Benefit: Restricts unauthorized connection and access from the network to ensure security.

Secured detector network



Each wireless network is secured and encrypted by a passphrase that is automatically computed upon configuration of the site.

Benefit: Isolates the detector and restricts unauthorized access to the X-ray system.

System computer (host) characteristics**



Both DHCP and static IP allocation are supported, along with IPv6.

Benefit: Improved performance and enhanced wireless security features.

System hardening²



Unnecessary network services are deactivated and the unused network ports are closed.

Benefit: Decreases avenues for attack and accepts traffic from specific trusted sources only.

Hospital wireless network



The X-ray system can connect to the hospital network via Wi-Fi, as well as ethernet cable.

Benefit: Supports all modern hospital wireless encryption methods.

Service

Continuity™ Advance



Allows you to receive computing system hardware and regular base system software upgrades to keep your imaging equipment working at modern performance and secure.

Benefit: Helps ensure your technology investments remain current over the lifecycle of your X-ray systems.

Skeye



Our Security Operations Center monitors networked medical devices & responds to cyber events by employing cyber professionals who proactively leverage artificial intelligence.

Benefit: Cybersecurity solution for networked medical devices, can help protect your healthcare system from the ever increasing risk of cyber events.

Remote Service Platform (RSvP)



Enables remote monitoring, diagnostics and system alerts. Customer requested remote access sessions for interactive training & troubleshooting.

Benefit: Provides secure connectivity between GE Healthcare products and GE Healthcare Experts.

¹ Applies only to group 1 products

² Applies only to group 2 products

Unless otherwise noted, features apply to all product groups listed below.

Group 1 products: AMX™ 240,* AMX™ Navigate, Definium™ 646 HD,* Definium™ 656 HD,* Definium™ Tempo Plus, Definium™ Tempo Pro

Group 2 products: Definium™ Pace

* Definium™ 656 HD is a configuration of the Discovery™ XR656HD, Definium™ 646 HD is a configuration of the Optima™ XR646, and AMX™ 240 is a configuration of the Optima™ XR240amx.

** Portable X-ray has both DHCP and static IP allocation. Fixed X-ray only has static.

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