



## Cenova Cybersecurity Product Report

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# 1. Introduction

Hologic is a leading developer, manufacturer and supplier of premium diagnostics, medical imaging systems and surgical products dedicated to serving the healthcare needs of women. Ensuring the integrity of our systems and the business continuity of our customers is a top concern for Hologic. This document is to be used in conjunction with Hologic's Enterprise Cybersecurity Best Practices guide to assist an IT staff in securing their systems and infrastructure where Cenova is installed. Cenova is Hologic's Image Analytics server that processes 2D/3D mammography images using proprietary software algorithms such as ImageChecker CAD and Quantra breast density assessment.

## 1.1. Audience

The intended audience includes the systems administrator, network administrator, and/or security personnel. The reader of this document should be familiar with operating systems, networking, and security of computer systems.

# 2. Cybersecurity

Readers should be familiar with the Hologic's Enterprise Cybersecurity Best Practices available at [http://www.hologic.com/data/ProductSupport/ent\\_cyber-sec\\_guide.pdf](http://www.hologic.com/data/ProductSupport/ent_cyber-sec_guide.pdf). The following sections of this document outline security features and guidelines specific to Cenova.

For additional guidance or assistance in implementing security features on Cenova systems, please consult Hologic Technical Support.

## 2.1. Manufacturer Disclosure Statement for Medical Device Security

For many products, Hologic uses the Manufacturer Disclosure Statement for Medical Device Security (MDS2) to provide HIPAA-related security information about its products. The latest version of the Cenova MDS2 is located in the Product Support section of the Hologic website.

## 2.2. Windows Domain and Active Directory

Starting with 2.1, Cenova supports the use of Active Directory as a mechanism for user authentication. Prior versions do not support this functionality.

## 2.3. Third Party Software Packages

### 2.3.1. Anti-virus

The use of anti-virus software is recommended for Cenova. Installation instructions provided with the anti-virus software product should be used for installation and configuration. If anti-virus software is installed, the application and image data directories (32-bit system: C:\Program Files\Hologic\ 64-bit system: C:\Program Files (x86)\Hologic\ and C:\CasesFolders for both system types) should be excluded from real-time scanning as doing so may affect product performance.

### 2.3.2. Intrusion Detection

Real-time intrusion detection monitoring software is not recommended to be run on the same system that Cenova is installed as it may affect performance of the system. Intrusion detection could be run in an offline manner on the system when the Cenova software is idle.

### **2.3.3. Encryption**

Disk encryption software running on the system may affect performance of Cenova. If encryption is desired, it is recommended that file-level encryption be employed. It is recommended to consult Hologic Technical Support to better understand the implications of such encryption on performance.

## **2.4. Operating System Patching**

Cenova runs on the Microsoft Windows operating systems Windows XP and Windows 7. Microsoft frequently creates patches, service packs, and critical security updates to address potential vulnerabilities in these operating systems.

For every minor release, Cenova will validate and release to the most recent month's security updates. Cenova 2.2 is validated against Microsoft security updates for Windows 7 x64 and Windows XP x32 through January 2013. Starting with the release of Cenova 2.3, the Release Notes will contain validated Microsoft Updates information.

Due to the fact that vulnerabilities and updates may occur on a more frequent basis and the risk due to vulnerabilities is generally greater than the impact of a fix, customers may implement AutoUpdate for Microsoft Windows. For additional guidance on implementing AutoUpdate, please consult Hologic Technical Support.