Manufacturer Disclosure Statement for Medical Device Security -- MDS2

| Hologic, Inc. | Faxitron Specimen Imaging | RD-04176 Rev 001 | | 30-Apr-2021 | | | |
|---------------|--|---------------------------------------|--------------|-------------|-----------------------|-----------------------|----------------|
| Question ID | Question | | See note | | IEC TR 80001-2-2:2012 | NIST SP 800-53 Rev. 4 | ISO 27002:2013 |
| DOC-1 | Manufacturer Name | Hologic, Inc. | _ | | | | |
| DOC-2 | Device Description | Specimen Radiography System | _ | | | | |
| DOC-3 | Device Model | Faxitron Core; CoreVision | _ | | | | |
| DOC-4 | Document ID | RD-04176 Rev 001 | _ | | | | |
| | | Steve Bolduc | | | | | |
| DOC-5 | Manufacturer Contact Information | steven.bolduc@Hologic.com | | | | | |
| | | The Faxitron Core & CoreVision | | | | | |
| | | Systems are a specimen imaging | | | | | |
| | | device. The system is able to | | | | | |
| | | capture images and perform | | | | | |
| | | procedures with no network | | | | | |
| | | connectivity. However it is typically | | | | | |
| | | connected to a network to achieve | | | | | |
| | Intended use of device in network-connected | query/retrieve, archiving, printing, | | | | | |
| DOC-6 | environment: | interfacing with a RIS, etc. | | | | | |
| DOC-7 | Document Release Date | 4/30/2021 | _ | | | | |
| | Coordinated Vulnerability Disclosure: Does the | 1 | | | | | |
| | manufacturer have a vulnerability disclosure program | | | | | | |
| DOC-8 | for this device? | No | | | | | |
| 5000 | ISAO: Is the manufacturer part of an Information | | - | | | | |
| DOC-9 | Sharing and Analysis Organization? | No | | | | | |
| 5005 | Diagram: Is a network or data flow diagram available | | - | | | | |
| | that indicates connections to other system | | | | | | |
| DOC-10 | components or expected external resources? | Yes, available upon request. | | | | | |
| | SaMD: Is the device Software as a Medical Device | ., | | | | | |
| DOC-11 | (i.e. software-only, no hardware)? | No | | | | | |
| DOC-11.1 | Does the SaMD contain an operating system? | N/A | | | | | |
| | Does the SaMD rely on an owner/operator provided | · | _ | | | | |
| DOC-11.2 | operating system? | N/A | | | | | |
| DOC-11.2 | Is the SaMD hosted by the manufacturer? | N/A | _ | | | | |
| | is the salvid hosted by the manufacturer? | | | | | | |
| DOC-11.3 | | N/A | | | | | |
| DOC-11.4 | Is the SaMD hosted by the customer? | N/A | _ | | | | |
| | | Was Na | | | | | |
| | | Yes, No, | | | | | |
| | | N/A, or See Notes | Note # | | | | |
| | MANAGEMENT OF PERSONALLY IDENTIFIABLE | see Notes | Note # | | | | |
| | INFORMATION | | | | IEC TR 80001-2-2:2012 | NIST SP 800-53 Rev. 4 | ISO 27002:2013 |
| | | | | | IEC 1K 80001-2-2.2012 | NIST 3F 800-33 Rev. 4 | 130 27002.2013 |
| | Can this device display, transmit, store, or modify | | | | | | |
| NADUL 4 | personally identifiable information (e.g. electronic Protected Health Information (ePHI))? | Yes | Note 1 | | | AR-2 | A.15.1.4 |
| MPII-1 | | res | Note 1 | | | AR-Z | A.15.1.4 |
| MPII-2 | Does the device maintain personally identifiable information? | Yes | | | | AR-2 | A.15.1.4 |
| IVIPII-2 | Does the device maintain personally identifiable | ies | _ | | | An-Z | A.13.1.4 |
| | information temporarily in volatile memory (i.e., until | | | | | | |
| MPII-2.1 | cleared by power-off or reset)? | Yes | | | | AR-2 | A.15.1.4 |
| IVIT11=2.1 | *** | 103 | _ | | | 7II-2 | A.13.1.4 |
| MPII-2.2 | Does the device store personally identifiable information persistently on internal media? | Yes | | | | | |
| IVIPII-2.2 | | | _ | | | | |
| MDII 2 2 | Is personally identifiable information preserved in the device's non-volatile memory until explicitly erased? | | | | | | |
| MPII-2.3 | Does the device store personally identifiable | 163 | | | | | |
| MPII-2.4 | information in a database? | Yes | | | | | |
| IVIF11-2.4 | Does the device allow configuration to automatically | 163 | | | | | |
| | delete local personally identifiable information after | | | | | | |
| MPII-2.5 | it is stored to a long term solution? | No | | | | AR-2 | A.15.1.4 |
| WIF 11-2.3 | ic is stored to a long term solution: | | _ | | | 711 Z | 71.13.1.4 |

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| | Does the device import/export personally identifiable information with other systems (e.g., a wearable monitoring device might export personally | | | | | | |
| MPII-2.6 | identifiable information to a server)? Does the device maintain personally identifiable information when powered off, or during power | Yes | _ | | | AR-2 | A.15.1.4 |
| MPII-2.7 | Service interruptions? Does the device allow the internal media to be removed by a service technician (e.g., for separate | Yes | _ | | | AR-2 | A.15.1.4 |
| MPII-2.8 | destruction or customer retention)? Does the device allow personally identifiable information records be stored in a separate location from the device's operating system (i.e. secondary | Yes | _ | | | | |
| MPII-2.9 | internal drive, alternate drive partition, or remote storage location)? Does the device have mechanisms used for the | Yes | _ | | | AR-2 | A.15.1.4 |
| MPII-3 | transmitting, importing/exporting of personally identifiable information? Does the device display personally identifiable | Yes | _ | | | AR-2 | A.15.1.4 |
| MPII-3.1 | information (e.g., video display, etc.)? Does the device generate hardcopy reports or images | Yes | _ | | | AR-2 | A.15.1.4 |
| MPII-3.2 | containing personally identifiable information? Does the device retrieve personally identifiable information from or record personally identifiable information to removable media (e.g., removable- | Yes | Note 2 | | | AR-2 | A.15.1.4 |
| MPII-3.3 | HDD, USB memory, DVD-R/RW,CD-R/RW, tape, CF/SD card, memory stick, etc.]? personally identifiable information via dedicated cable connection (e.g., RS-232, RS-423, USB, FireWire, | Yes | Note 4 | | | AR-2 | A.15.1.4 |
| MPII-3.4 | etc.)? Does the device transmit/receive personally identifiable information via a wired network | Yes | | | | AR-2 | A.15.1.4 |
| MPII-3.5 | connection (e.g., RJ45, fiber optic, etc.)? Does the device transmit/receive personally identifiable information via a wireless network | Yes | Note 6 | | | AR-2 | A.15.1.4 |
| MPII-3.6 | connection (e.g., WiFi, Bluetooth, NFC, infrared, cellular, etc.)? Does the device transmit/receive personally identifiable information over an external network | No | | | | AR-2 | A.15.1.4 |
| MPII-3.7 | (e.g., Internet)? Does the device import personally identifiable | No | | | | AR-2 | A.15.1.4 |
| MPII-3.8 MPII-3.9 | information via scanning a document? Does the device transmit/receive personally identifiable information via a proprietary protocol? | No No | | | | | |
| IVIF II-3.9 | Does the device use any other mechanism to transmit, import or export personally identifiable | | _ | | | | |
| MPII-3.10 Management of Priv | information? ate Data notes: | No | _ | | | AR-2 AR-2 | A.15.1.4 A.15.1.4 |
| | AUTOMATIC LOGOFF (ALOF) The device's ability to prevent access and misuse by unauthorized users if device is left idle for a period of time. | | | | IEC TR 80001-2-2:2012 | NIST SP 800-53 Rev. 4 | ISO 27002:2013 |
| | Can the device be configured to force reauthorization of logged-in user(s) after a predetermined length of inactivity (e.g., auto-logoff, session lock, password | | | | | | |
| ALOF-1 | protected screen saver)? Is the length of inactivity time before auto- | Yes | Note 7 | | Section 5.1, ALOF | AC-12 | None |
| ALOF-2 | logoff/screen lock user or administrator configurable? | ? Yes | Note 7 | | Section 5.1, ALOF | AC-11 | A.11.2.8, A.11.2.9 |

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| | AUDIT CONTROLS (AUDT) | | IEC TR 80001-2-2:2012 | NIST SP 800-53 Rev. 4 | ISO 27002:2013 |
|------------|--|----------------------|-----------------------|-----------------------|------------------------------|
| | The ability to reliably audit activity on the device. | | | | |
| | Can the medical device create additional audit logs o | r | | | A.5.1.1, A.5.1.2, A.6.1.1, |
| AUDT-1 | reports beyond standard operating system logs? | No | Section 5.2, AUDT | AU-1 | A.12.1.1, A.18.1.1, A.18.2.2 |
| AUDT-1.1 | Does the audit log record a USER ID? | Yes | | | |
| | Does other personally identifiable information exist in | | | | |
| AUDT-1.2 | the audit trail? | No | Section 5.2, AUDT | AU-2 | None |
| | Are events recorded in an audit log? If yes, indicate | | | | |
| | which of the following events are recorded in the | | | | |
| AUDT-2 | audit log: | Yes | Section 5.2, AUDT | AU-2 | None |
| AUDT-2.1 | Successful login/logout attempts? | Yes | Section 5.2, AUDT | AU-2 | None |
| AUDT-2.2 | Unsuccessful login/logout attempts? | Yes <u> </u> | Section 5.2, AUDT | AU-2 | None |
| AUDT-2.3 | Modification of user privileges? | Yes | Section 5.2, AUDT | AU-2 | None |
| AUDT-2.4 | Creation/modification/deletion of users? | Yes | Section 5.2, AUDT | AU-2 | None |
| AUDT-2.5 | Presentation of clinical or PII data (e.g. display, print) | ? No | Section 5.2, AUDT | AU-2 | None |
| AUDT-2.6 | Creation/modification/deletion of data? | No | Section 5.2, AUDT | AU-2 | None |
| | Import/export of data from removable media (e.g. | | | | |
| AUDT-2.7 | USB drive, external hard drive, DVD)? | No | Section 5.2, AUDT | AU-2 | None |
| | Receipt/transmission of data or commands over a | | | | |
| AUDT-2.8 | network or point-to-point connection? | No | Section 5.2, AUDT | AU-2 | None |
| AUDT-2.8.1 | Remote or on-site support? | No | Section 5.2, AUDT | AU-2 | None |
| | Application Programming Interface (API) and similar | | | | |
| AUDT-2.8.2 | activity? | No | Section 5.2, AUDT | AU-2 | None |
| AUDT-2.9 | Emergency access? | N/A | Section 5.2, AUDT | AU-2 | None |
| AUDT-2.10 | Other events (e.g., software updates)? | No | Section 5.2, AUDT | AU-2 | None |
| AUDT-2.11 | Is the audit capability documented in more detail? | No | Section 5.2, AUDT | AU-2 | None |
| | Can the owner/operator define or select which | | | | |
| AUDT-3 | events are recorded in the audit log? | No | Section 5.2, AUDT | AU-2 | None |
| | Is a list of data attributes that are captured in the | | | | |
| AUDT-4 | audit log for an event available? | Yes | Section 5.2, AUDT | AU-2 | None |
| AUDT-4.1 | Does the audit log record date/time? | Yes | Section 5.2, AUDT | AU-2 | None |
| | Can date and time be synchronized by Network Time | | | | |
| AUDT-4.1.1 | Protocol (NTP) or equivalent time source? | Yes | Section 5.2, AUDT | AU-2 | None |
| AUDT-5 | Can audit log content be exported? | Yes | Section 5.2, AUDT | AU-2 | None |
| AUDT-5.1 | Via physical media? | Yes | | | |
| | Via IHE Audit Trail and Node Authentication (ATNA) | _ | | | |
| AUDT-5.2 | profile to SIEM? | No | | | |
| | Via Other communications (e.g., external service | _ | | | |
| AUDT-5.3 | device, mobile applications)? | No | | | |
| | Are audit logs encrypted in transit or on storage | | | | |
| AUDT-5.4 | media? | No | | | |
| | Can audit logs be monitored/reviewed by | | | | |
| AUDT-6 | owner/operator? | Yes | | | |
| AUDT-7 | Are audit logs protected from modification? | No — | Section 5.2, AUDT | AU-2 | None |
| AUDT-7.1 | Are audit logs protected from access? | No == | , , | | |
| AUDT-8 | Can audit logs be analyzed by the device? | No | Section 5.2, AUDT | AU-2 | None |
| AODIO | can dual logs be analyzed by the device: | _ | 3cction 3.2, A001 | AG 2 | None |
| | | | | | |
| | AUTHORIZATION (AUTH) | | IEC TR 80001-2-2:2012 | NIST SP 800-53 Rev. 4 | ISO 27002:2013 |
| | The ability of the device to determine the | | | | |
| | authorization of users. | | | | |
| | Does the device prevent access to unauthorized user | | | | |
| | through user login requirements or other | | | | |
| AUTH-1 | mechanism? | Yes | Section 5.3, AUTH | IA-2 | A.9.2.1 |
| AUIN-I | | ics | Section 5.5, Autr | IA-Z | M.J.Z.1 |
| | Can the device be configured to use federated | | | | |
| AUTH-1.1 | credentials management of users for authorization | Voc. | Costion F. 2. ALITY | IA-2 | A.9.2.1 |
| AUIN-1.1 | (e.g., LDAP, OAuth)? | Yes Active Directory | Section 5.3, AUTH | IA-Z | A.9.2.1 |
| | | | | | |

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| AUTH-1.2 | Can the customer push group policies to the device (e.g., Active Directory)? | See Notes | Note 8 | | Section 5.3, AUTH | IA-2 | A.9.2.1 |
| AUTH-1.3 | Are any special groups, organizational units, or group policies required? Can users be assigned different privilege levels based | Yes | Note 9 | | Section 5.3, AUTH | IA-2 | A.9.2.1 |
| AUTH-2 | on 'role' (e.g., user, administrator, and/or service, etc.)? Can the device owner/operator grant themselves unrestricted administrative privileges (e.g., access | No | _ | | Section 5.3, AUTH | IA-2 | A.9.2.1 |
| AUTH-3 | operating system or application via local root or administrator account)? | Yes | _ | | Section 5.3, AUTH | IA-2 | A.9.2.1 |
| AUTH-4 | Does the device authorize or control all API access requests? | No | _ | | Section 5.3, AUTH | IA-2 | A.9.2.1 |
| AUTH-5 | Does the device run in a restricted access mode, or 'kiosk mode', by default? | No | _ | | | | |
| | | | | | 150 TD 00004 0 0 0040 | | 100 07000 0040 |
| | CYBER SECURITY PRODUCT UPGRADES (CSUP) The ability of on-site service staff, remote service staff, or authorized customer staff to install/upgrade device's security patches. | | | | IEC TR 80001-2-2:2012 | NIST SP 800-53 Rev. 4 | ISO 27002:2013 |
| | Does the device contain any software or firmware which may require security updates during its operational life, either from the device manufacturer or from a third-party manufacturer of the | | | | | | |
| CSUP-1 | software/firmware? If no, answer "N/A" to questions in this section. | Yes | Windows | | | | |
| CSUP-2 | Does the device contain an Operating System? If yes, complete 2.1-2.4. | Yes | | | | | |
| | Does the device documentation provide instructions for owner/operator installation of patches or | | _ | | | | |
| CSUP-2.1 | software updates? Does the device require vendor or vendor-authorized | No | | | | | |
| CSUP-2.2 | service to install patches or software updates? Does the device have the capability to receive remote | Yes | _ | | | | |
| CSUP-2.3 | installation of patches or software updates? Does the medical device manufacturer allow security | Yes | | | | | |
| | updates from any third-party manufacturers (e.g., Microsoft) to be installed without approval from the | | | | | | |
| CSUP-2.4 | manufacturer? Does the device contain Drivers and Firmware? If yes, | No | | | | | |
| CSUP-3 | complete 3.1-3.4. Does the device documentation provide instructions | Yes | _ | | | | |
| CSUP-3.1 | for owner/operator installation of patches or software updates? | No | _ | | | | |
| CSUP-3.2 | Does the device require vendor or vendor-authorized service to install patches or software updates? | Yes | _ | | | | |
| CSUP-3.3 | Does the device have the capability to receive remote installation of patches or software updates? | No | | | | | |
| | Does the medical device manufacturer allow security updates from any third-party manufacturers (e.g., Microsoft) to be installed without approval from the | | _ | | | | |
| CSUP-3.4 | manufacturer? Does the device contain Anti-Malware Software? If | No | = | | | | |
| CSUP-4 | yes, complete 4.1-4.4. Does the device documentation provide instructions for owner/operator installation of patches or | Yes | | | | | |
| CSUP-4.1 | software updates? | Yes | Note 10 | | | | |
| CSUP-4.2 | Does the device require vendor or vendor-authorized service to install patches or software updates? | See Notes | Note 10 | | | | |

Hologic, Inc. Does the device have the capability to receive remote CSUP-4.3 installation of patches or software updates? Note 10 Does the medical device manufacturer allow security updates from any third-party manufacturers (e.g., Microsoft) to be installed without approval from the manufacturer? Note 10 CSUP-4.4 See Notes Does the device contain Non-Operating System commercial off-the-shelf components? If yes, CSUP-5 complete 5.1-5.4. Does the device documentation provide instructions for owner/operator installation of patches or CSUP-5.1 software updates? Does the device require vendor or vendor-authorized CSUP-5.2 service to install patches or software updates? Does the device have the capability to receive remote CSUP-5.3 installation of patches or software updates? Does the medical device manufacturer allow security updates from any third-party manufacturers (e.g., Microsoft) to be installed without approval from the CSUP-5.4 manufacturer? Does the device contain other software components (e.g., asset management software, license management)? If yes, please provide details or CSUP-6 refernce in notes and complete 6.1-6.4. Does the device documentation provide instructions for owner/operator installation of patches or CSUP-6.1 software updates? Does the device require vendor or vendor-authorized CSUP-6.2 service to install patches or software updates? Does the device have the capability to receive remote installation of patches or software updates? CSUP-6.3 Does the medical device manufacturer allow security updates from any third-party manufacturers (e.g., Microsoft) to be installed without approval from the CSUP-6.4 manufacturer? Does the manufacturer notify the customer when CSUP-7 updates are approved for installation? Yes Note 11 Does the device perform automatic installation of CSUP-8 software updates? Does the manufacturer have an approved list of third-CSUP-9 party software that can be installed on the device? Note 10 Can the owner/operator install manufacturerapproved third-party software on the device CSUP-10 themselves? Yes Note 10 Does the system have mechanism in place to prevent CSUP-10.1 installation of unapproved software? Does the manufacturer have a process in place to

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assess device vulnerabilities and updates?

review and approval status of updates?

Does the manufacturer provide customers with

Is there an update review cycle for the device?

Yes

Yes

Yes

CSUP-11

CSUP-11.1

CSUP-11.2

DIDT-1

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| HEALTH DATA DE-IDENTIFICATION (DIDT) | | IEC TR 80001-2-2:2012 | NIST SP 800-53 Rev. 4 | ISO 27002:2013 |
|---|-----|-----------------------|-----------------------|----------------|
| The ability of the device to directly remove | | | | |
| information that allows identification of a person. | | | | |
| Does the device provide an integral capability to de- | | | | |
| identify personally identifiable information? | No. | Section 5.6 DIDT | None | ISO 27038 |

Note 12

Note 11

Note 13

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| DIDT-1.1 | Does the device support de-identification profiles that comply with the DICOM standard for de-identification? | No | _ | | Section 5.6, DIDT | None | ISO 27038 |
| | DATA BACKUP AND DISASTER RECOVERY (DTBK) The ability to recover after damage or destruction of device data, hardware, software, or site configuration information. Does the device maintain long term primary storage | | | | IEC TR 80001-2-2:2012 | NIST SP 800-53 Rev. 4 | ISO 27002:2013 |
| DTBK-1 | of personally identifiable information / patient information (e.g. PACS)? Does the device have a "factory reset" function to restore the original device settlings as provided by the | No | _ | | | | |
| DTBK-2 | manufacturer? Does the device have an integral data backup | See Notes | Note 3 | | Section 5.7, DTBK | CP-9 | A.12.3.1 |
| DTBK-3 | capability to removable media? Does the device have an integral data backup | Yes | Note 14 | | Section 5.7, DTBK | CP-9 | A.12.3.1 |
| DTBK-4 | capability to remote storage? Does the device have a backup capability for system configuration information, patch restoration, and | Yes | Note 14 | | | | |
| DTBK-5 | software restoration? Does the device provide the capability to check the | Yes | Note 14 | | | | |
| DTBK-6 | integrity and authenticity of a backup? | No | _ | | Section 5.7, DTBK | CP-9 | A.12.3.1 |
| EMRG-1 | EMERGENCY ACCESS (EMRG) The ability of the device user to access personally identifiable information in case of a medical emergency situation that requires immediate access to stored personally identifiable information. Does the device incorporate an emergency access (i.e. "break-glass") feature? | No | _ | | IEC TR 80001-2-2:2012 Section 5.8, EMRG | NIST SP 800-53 Rev. 4 | ISO 27002:2013 None |
| | HEALTH DATA INTEGRITY AND AUTHENTICITY (IGAU) How the device ensures that the stored data on the device has not been altered or destroyed in a non-authorized manner and is from the originator. Does the device provide data integrity checking | | | | IEC TR 80001-2-2:2012 | NIST SP 800-53 Rev. 4 | ISO 27002:2013 |
| IGAU-1 | mechanisms of stored health data (e.g., hash or digital signature)? Does the device provide error/failure protection and | No | | | Section 5.9, IGAU | SC-28 | A.18.1.3 |
| IGAU-2 | recovery mechanisms for stored health data (e.g., RAID-5)? | No | Note 15 | | Section 5.9, IGAU | SC-28 | A.18.1.3 |
| | MALWARE DETECTION/PROTECTION (MLDP) The ability of the device to effectively prevent, detect and remove malicious software (malware). | | | | IEC TR 80001-2-2:2012 | NIST SP 800-53 Rev. 4 | ISO 27002:2013 |
| MLDP-1 | Is the device capable of hosting executable software? Does the device support the use of anti-malware software (or other anti-malware mechanism)? | Yes | _ | | Section 5.10, MLDP | | |
| MLDP-2 | Provide details or reference in notes. Does the device include anti-malware software by | Yes | Note 10 | | Section 5.10, MLDP | SI-3 | A.12.2.1 A.9.2.3, A.9.4.5, A.12.1.2, |
| MLDP-2.1 | default? Does the device have anti-malware software | Yes | | | Section 5.10, MLDP | CM-5 | A.12.1.4, A.12.5.1 |
| MLDP-2.2 | available as an option? | Yes | | | Section 5.10, MLDP | AU-6 | A.12.4.1, A.16.1.2, A.16.1.4 |

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| | Does the device documentation allow the | | | | | | |
| | owner/operator to install or update anti-malware | | | | | | |
| MLDP-2.3 | software? | Yes | | | Section 5.10, MLDP | CP-10 | A.17.1.2 |
| MLDP-2.4 | Can the device owner/operator independently (re-)configure anti-malware settings? | Yes | | | Section 5.10, MLDP | AU-2 | None |
| | Does notification of malware detection occur in the | | | | , | | |
| MLDP-2.5 | device user interface? | Yes | | | | | |
| MLDP-2.6 | Can only manufacturer-authorized persons repair systems when malware has been detected? | Yes | | | | | |
| MLDP-2.7 | Are malware notifications written to a log? | Yes | | | | | |
| | Are there any restrictions on anti-malware (e.g., | | | | | | |
| MLDP-2.8 | purchase, installation, configuration, scheduling)? | No | | | | | |
| | If the answer to MLDP-2 is NO, and anti-malware | | | | | | A 12 6 1 A 14 2 2 A 14 2 2 |
| MLDP-3 | cannot be installed on the device, are other compensating controls in place or available? | N/A | | | Section 5.10, MLDP | SI-2 | A.12.6.1, A.14.2.2, A.14.2.3, A.16.1.3 |
| MEST 5 | Does the device employ application whitelisting that | | | | , | | |
| | restricts the software and services that are permitted | | | | | | |
| MLDP-4 | to be run on the device? Does the device employ a host-based intrusion | No | _ | | Section 5.10, MLDP | SI-3 | A.12.2.1 |
| MLDP-5 | detection/prevention system? | No | | | Section 5.10, MLDP | SI-4 | None |
| MEST 5 | Can the host-based intrusion detection/prevention | | | | | | |
| MLDP-5.1 | system be configured by the customer? | Yes | _ | | Section 5.10, MLDP | CM-7 | A.12.5.1 |
| | Can a host-based intrusion detection/prevention | V | | | Continue 5 40 MIDD | | |
| MLDP-5.2 | system be installed by the customer? | Yes | _ | | Section 5.10, MLDP | | |
| | NODE AUTHENTICATION (NAUT) | | | | IEC TR 80001-2-2:2012 | NIST SP 800-53 Rev. 4 | ISO 27002:2013 |
| | NODE AUTHENTICATION (NAUT) The ability of the device to authenticate | | | | IEC 1K 80001-2-2:2012 | NIST SP 800-33 Rev. 4 | 130 27002:2013 |
| | communication partners/nodes. | | | | | | |
| | Does the device provide/support any means of node | | | | | | |
| | authentication that assures both the sender and the | | | | | | |
| | recipient of data are known to each other and are authorized to receive transferred information (e.g. | | | | | | |
| NAUT-1 | Web APIs, SMTP, SNMP)? | Yes | | | Section 5.11, NAUT | SC-23 | None |
| | Are network access control mechanisms supported | | | | | | |
| | (E.g., does the device have an internal firewall, or use | | | | 6 11 544 11117 | 60.7 | A.13.1.1, A.13.1.3, |
| NAUT-2 | a network connection white list)? Is the firewall ruleset documented and available for | Yes | Note 16 | | Section 5.11, NAUT | SC-7 | A.13.2.1,A.14.1.3 |
| NAUT-2.1 | review? | Yes | Available upon request | | | | |
| | Does the device use certificate-based network | | | | | | |
| NAUT-3 | connection authentication? | No | | | | | |
| | | | | | | | |
| | CONNECTIVITY CAPABILITIES (CONN) | | | | IEC TR 80001-2-2:2012 | NIST SP 800-53 Rev. 4 | ISO 27002:2013 |
| | All network and removable media connections must be considered in determining appropriate security | | | | | | |
| | controls. This section lists connectivity capabilities | | | | | | |
| | that may be present on the device. | | | | | | |
| | Does the device have hardware connectivity | v | | | | | |
| CONN-1 CONN-1.1 | capabilities? Does the device support wireless connections? | Yes No | _ | | | | |
| CONN-1.1 CONN-1.1.1 | Does the device support Wi-Fi? | No | | | | | |
| CONN-1.1.2 | Does the device support Bluetooth? | No | _ | | | | |
| | Does the device support other wireless network | | | | | | |
| CONN-1.1.3 | connectivity (e.g. LTE, Zigbee, proprietary)? Does the device support other wireless connections | No | _ | | | | |
| CONN-1.1.4 | (e.g., custom RF controls, wireless detectors)? | No | | | | | |
| CONN-1.2 | Does the device support physical connections? | Yes | _ | | | | |
| CONN-1.2.1 | Does the device have available RJ45 Ethernet ports? | | _ | | | | |
| CONN-1.2.2 | Does the device have available USB ports? | Yes | _ | | | | |

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| | Does the device require, use, or support removable | | | |
| CONN-1.2.3 | memory devices? | Yes | Note 5 | |
| CONN-1.2.4 | Does the device support other physical connectivity? | No | | |
| | Does the manufacturer provide a list of network | | | |
| | ports and protocols that are used or may be used on | | | |
| CONN-2 | the device? | Yes | Available upon request. | |
| | Can the device communicate with other systems | | | |
| CONN-3 | within the customer environment? | Yes | _ | |
| | Can the device communicate with other systems | | | |
| | external to the customer environment (e.g., a service | | | |
| CONN-4 | host)? | Yes | | |
| CONN-5 | Does the device make or receive API calls? | No | | |
| | Does the device require an internet connection for its | | | |
| CONN-6 | intended use? | No | _ | |
| | Does the device support Transport Layer Security | | | |
| CONN-7 | (TLS)? | Yes | Note 17 | |
| CONN-7.1 | Is TLS configurable? | Yes | Note 17 | |
| | Does the device provide operator control | | | |
| | functionality from a separate device (e.g., | | | |
| CONN-8 | telemedicine)? | No | | |
| | | | | |
| | | | | |
| | PERSON AUTHENTICATION (PAUT) | | | IEC TR 80 |
| | The ability to configure the device to authenticate | | | |
| | users. | | | |
| | Does the device support and enforce unique IDs and | | | |
| | • | | | |

| | PERSON AUTHENTICATION (PAUT) | | | IEC TR 80001-2-2:2012 | NIST SP 800-53 Rev. 4 | ISO 27002:2013 |
|-----------|--|-----|------------------|-----------------------|-----------------------|-------------------------------|
| | The ability to configure the device to authenticate | | | | | |
| | users. | | | | | |
| | Does the device support and enforce unique IDs and | | | | | |
| | passwords for all users and roles (including service | | | | | |
| PAUT-1 | accounts)? | Yes | Note 18 | Section 5.12, PAUT | IA-2 | A.9.2.1 |
| | Does the device enforce authentication of unique IDs | | | | | |
| | and passwords for all users and roles (including | | | | | |
| PAUT-1.1 | service accounts)? | Yes | Note 18 | Section 5.12, PAUT | IA-2 | A.9.2.1 |
| | Is the device configurable to authenticate users | | | | | |
| | through an external authentication service (e.g., MS | | | | | |
| PAUT-2 | Active Directory, NDS, LDAP, OAuth, etc.)? | Yes | Active Directory | Section 5.12, PAUT | IA-5 | A.9.2.1 |
| | Is the device configurable to lock out a user after a | | | | | |
| PAUT-3 | certain number of unsuccessful logon attempts? | Yes | Note 19 | Section 5.12, PAUT | IA-2 | A.9.2.1 |
| | Are all default accounts (e.g., technician service | | | | | |
| | accounts, administrator accounts) listed in the | | | | | A.14.1.1, A.14.2.7, A.14.2.9, |
| PAUT-4 | documentation? | No | | Section 5.12, PAUT | SA-4(5) | A.15.1.2 |
| PAUT-5 | Can all passwords be changed? | No | _ | Section 5.12, PAUT | | |
| | Is the device configurable to enforce creation of user | | | | | |
| | account passwords that meet established | | | | | |
| PAUT-6 | (organization specific) complexity rules? | Yes | Note 20 | Section 5.12, PAUT | IA-2 | A.9.2.1 |
| | Does the device support account passwords that | | | | | |
| PAUT-7 | expire periodically? | Yes | Note 21 | | | |
| PAUT-8 | Does the device support multi-factor authentication? | No | _ | | | |
| PAUT-9 | Does the device support single sign-on (SSO)? | Yes | Active Directory | Section 5.12, PAUT | IA-2 | A.9.2.1 |
| PAUT-10 | Can user accounts be disabled/locked on the device? | Yes | _ | Section 5.12, PAUT | IA-2 | A.9.2.1 |
| PAUT-11 | Does the device support biometric controls? | No | | Section 5.12, PAUT | IA-2 | A.9.2.1 |
| | Does the device support physical tokens (e.g. badge | | | | | |
| PAUT-12 | access)? | No | _ | | | |
| | Does the device support group authentication (e.g. | | | | | |
| PAUT-13 | hospital teams)? | Yes | | | | |
| | Does the application or device store or manage | | | | | |
| PAUT-14 | authentication credentials? | Yes | Note 22 | | | |
| PAUT-14.1 | Are credentials stored using a secure method? | Yes | Note 22 | | | |

PHYSICAL LOCKS (PLOK) IEC TR 80001-2-2:2012 NIST SP 800-53 Rev. 4 ISO 27002:2013

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|--------------------|--|------------------|--------------------------------------|------------|-----------------------|-----------------------|------------------------------|
| | Physical locks can prevent unauthorized users with physical access to the device from compromising the integrity and confidentiality of personally identifiable information stored on the device or on removable media | | | | | | |
| PLOK-1 | Is the device software only? If yes, answer "N/A" to remaining questions in this section. Are all device components maintaining personally identifiable information (other than removable | No | _ | | Section 5.13, PLOK | PE- 3(4) | A.11.1.1, A.11.1.2, A.11.1.3 |
| PLOK-2 | media) physically secure (i.e., cannot remove withou tools)? Are all device components maintaining personally identifiable information (other than removable media) physically secured behind an individually | t Yes | - | | Section 5.13, PLOK | PE- 3(4) | A.11.1.1, A.11.1.2, A.11.1.3 |
| PLOK-3 | keyed locking device? Does the device have an option for the customer to attach a physical lock to restrict access to removable | No | _ | | Section 5.13, PLOK | PE- 3(4) | A.11.1.1, A.11.1.2, A.11.1.3 |
| PLOK-4 | media? | No | _ | | Section 5.13, PLOK | PE- 3(4) | A.11.1.1, A.11.1.2, A.11.1.3 |
| | ROADMAP FOR THIRD PARTY COMPONENTS IN DEVICE LIFE CYCLE (RDMP) Manufacturer's plans for security support of third-party components within the device's life cycle. | | | | IEC TR 80001-2-2:2012 | NIST SP 800-53 Rev. 4 | ISO 27002:2013 |
| RDMP-1 | Was a secure software development process, such as ISO/IEC 27034 or IEC 62304, followed during product development? Does the manufacturer evaluate third-party | | | | Section 5.14, RDMP | CM-2 | None |
| RDMP-2 | applications and software components included in the device for secure development practices? Does the manufacturer maintain a web page or othe | | _ | | Section 5.14, RDMP | CM-8 | A.8.1.1, A.8.1.2 |
| RDMP-3 | source of information on software support dates and updates? Does the manufacturer have a plan for managing | Yes | _ | | Section 5.14, RDMP | CM-8 | A.8.1.1, A.8.1.2 |
| RDMP-4 | third-party component end-of-life? | Yes | _ | | Section 5.14, RDMP | CM-8 | A.8.1.1, A.8.1.2 |
| | SOFTWARE BILL OF MATERIALS (SBOM) A Software Bill of Material (SBOM) lists all the software components that are incorporated into the device being described for the purpose of operationa security planning by the healthcare delivery organization. This section supports controls in the RDMP section. | | | | IEC TR 80001-2-2:2012 | NIST SP 800-53 Rev. 4 | ISO 27002:2013 |
| SBOM-1 | Is the SBoM for this product available? Does the SBoM follow a standard or common methor | Yes d | See SBoM sheet within this document. | | | | |
| SBOM-2 SBOM-2.1 | in describing software components? Are the software components identified? Are the developers/manufacturers of the software | No Yes | _ | | | | |
| SBOM-2.2 | components identified? Are the major version numbers of the software | Yes | _ | | | | |
| SBOM-2.4 | components identified? Are any additional descriptive elements identified? Does the device include a command or process method available to generate a list of software components installed on the device? | Yes Yes | | | | | |
| SBOM-3 SBOM-4 | Is there an update process for the SBoM? | No Yes | Note 23 | | | | |

SYSTEM AND APPLICATION HARDENING (SAHD) IEC TR 80001-2-2:2012 NIST SP 800-53 Rev. 4 ISO 27002:2013

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|--------------------|---|------------------|------------------------------------|-------------|--|---------------|---|
| | The device's inherent resistance to cyber attacks and malware. | | | | | CM-7 | A.12.5.1* |
| | Is the device hardened in accordance with any | | | | | CIVI-7 | A.6.2.1, A.6.2.2, A.13.1.1, |
| SAHD-1 | industry standards? | No | | | Section 5.15, SAHD | AC-17(2)/IA-3 | A.13.2.1, A.14.1.2/None |
| | Has the device received any cybersecurity | | | | | | A.14.2.7, A.15.1.1, A.15.1.2, |
| SAHD-2 | certifications? Does the device employ any mechanisms for | No | | | Section 5.15, SAHD | SA-12(10) | A.15.1.3 |
| SAHD-3 | software integrity checking | No | | | | | |
| | Does the device employ any mechanism (e.g., release | e. | _ | | | | |
| | specific hash key, checksums, digital signature, etc.) | | | | | | |
| CALID 2.4 | to ensure the installed software is manufacturer- authorized? | No | | | | | |
| SAHD-3.1 | Does the device employ any mechanism (e.g., release | | | | | | |
| | specific hash key, checksums, digital signature, etc.) | | | | | | |
| | to ensure the software updates are the manufacture | | | | | | |
| SAHD-3.2 | authorized updates? | No | | | Section 5.15, SAHD | CM-8 | A.8.1.1, A.8.1.2 |
| | Can the owner/operator perform software integrity checks (i.e., verify that the system has not been | | | | | | A.6.2.2, A.9.1.2, A.9.4.1, A.9.4.4, A.9.4.5, A.13.1.1, |
| SAHD-4 | modified or tampered with)? | No | | | Section 5.15, SAHD | AC-3 | A.14.1.2, A.14.1.3, A.18.1.3 |
| | Is the system configurable to allow the | | | | | | |
| | implementation of file-level, patient level, or other | | | | | | |
| SAHD-5 SAHD-5.1 | types of access controls? Does the device provide role-based access controls? | Yes | Note 24 Note 24 | | Section 5.15, SAHD Section 5.15, SAHD | CM-7 CM-7 | A.12.5.1* A.12.5.1* |
| 3AПD-3.1 | Are any system or user accounts restricted or | res | Note 24 | | Section 3.13, SAND | CIVI-7 | A.12.3.1 |
| SAHD-6 | disabled by the manufacturer at system delivery? | No | | | Section 5.15, SAHD | CM-8 | A.8.1.1, A.8.1.2 |
| | Are any system or user accounts configurable by the | | | | | | |
| SAHD-6.1 | end user after initial configuration? | Yes | | | Section 5.15, SAHD | CM-7 | A.12.5.1* |
| | Does this include restricting certain system or user accounts, such as service technicians, to least | | | | | | |
| SAHD-6.2 | privileged access? | No | | | Section 5.15, SAHD | CM-7 | A.12.5.1* |
| | Are all shared resources (e.g., file shares) which are | | | | | | |
| | not required for the intended use of the device | | | | 6 11 545 6419 | o | |
| SAHD-7 | disabled? Are all communication ports and protocols that are | No | _ | | Section 5.15, SAHD | CM-7 | A.12.5.1* |
| | not required for the intended use of the device | | | | | | |
| SAHD-8 | disabled? | No | _ | | Section 5.15, SAHD | SA-18 | None |
| | Are all services (e.g., telnet, file transfer protocol | | | | | | |
| | [FTP], internet information server [IIS], etc.), which are not required for the intended use of the device | | | | | | |
| SAHD-9 | deleted/disabled? | No | | | Section 5.15, SAHD | CM-6 | None |
| | Are all applications (COTS applications as well as OS- | | _ | | | | |
| | included applications, e.g., MS Internet Explorer, etc. | .) | | | | | |
| SAHD-10 | which are not required for the intended use of the device deleted/disabled? | No | | | Section 5.15, SAHD | SI-2 | A.12.6.1, A.14.2.2, A.14.2.3, A.16.1.3 |
| SAND-10 | Can the device prohibit boot from uncontrolled or | NO | _ | | Section 3.13, SAND | 31-2 | A.10.1.3 |
| | removable media (i.e., a source other than an | | | | | | |
| SAHD-11 | internal drive or memory component)? | No | | | | | |
| SAHD-12 | Can unauthorized software or hardware be installed on the device without the use of physical tools? | See Notes | Note 26 | | | | |
| SAHD-12 | Does the product documentation include information | | Note 26 | | | | |
| SAHD-13 | on operational network security scanning by users? | | | | | | |
| | Can the device be hardened beyond the default | | | | | | |
| SAHD-14 | provided state? Are instructions available from vendor for increased | See Notes | Note 27 | | | | |
| SAHD-14.1 | hardening? | Yes | Available upon request/discussion. | | | | |
| 5,5 17.1 | Can the system prevent access to BIOS or other | | | | | | |
| SHAD-15 | bootloaders during boot? | Yes | Note 25 | | | | |
| CALID 46 | Have additional hardening methods not included in | No | | | | | |
| SAHD-16 | 2.3.19 been used to harden the device? | No | _ | | | | |

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| | SECURITY GUIDANCE (SGUD) | | | IEC TR 80001-2-2:2012 | NIST SP 800-53 Rev. 4 | ISO 27002:2013 |
|--------------------|--|----------|------------------------|-----------------------|------------------------|--|
| | Availability of security guidance for operator and administrator of the device and manufacturer sales and service. | | | | | |
| SGUD-1 | Does the device include security documentation for the owner/operator? Does the device have the capability, and provide | Yes No | ote 28 | Section 5.16, SGUD | AT-2/PL-2 | A.7.2.2, A.12.2.1/A.14.1.1 |
| SGUD-2 | instructions, for the permanent deletion of data from the device or media? | | ote 29 | Section 5.16, SGUD | MP-6 | A.8.2.3, A.8.3.1, A.8.3.2, A.11.2.7 |
| SGUD-3 | Are all access accounts documented? | Yes Ava | vailable upon request. | Section 5.16, SGUD | AC-6,IA-2 | A.9.1.2, A.9.2.3, A.9.4.4, A.9.4.5/A.9.2.1 |
| SGUD-3.1 | Can the owner/operator manage password control for all accounts? Does the product include documentation on | No | | | | |
| SGUD-4 | recommended compensating controls for the device? | No | | | | |
| | HEALTH DATA STORAGE CONFIDENTIALITY | | | | | |
| | (STCF) The ability of the device to ensure unauthorized | | | IEC TR 80001-2-2:2012 | NIST SP 800-53 Rev. 4 | ISO 27002:2013 |
| | access does not compromise the integrity and confidentiality of personally identifiable information stored on the device or removable media. | | | | | |
| STCF-1 | Can the device encrypt data at rest? | No | | Section 5.17, STCF | SC-28 | A.8.2.3 |
| STCF-1.1 | Is all data encrypted or otherwise protected? Is the data encryption capability configured by | No | | | | |
| STCF-1.2 | default? Are instructions available to the customer to | No | | | | |
| STCF-1.3 STCF-2 | configure encryption? Can the encryption keys be changed or configured? | No No | | Section 5.17, STCF | SC-28 | A.8.2.3 |
| | Is the data stored in a database located on the | | | Section 5.17, STCF | 30-20 | A.o.2.5 |
| STCF-3 | device? Is the data stored in a database external to the | Yes | | | | |
| STCF-4 | device? | No | | | | |
| | TRANSMISSION CONFIDENTIALITY (TXCF) | | | IEC TR 80001-2-2:2012 | NIST SP 800-53 Rev. 4 | ISO 27002:2013 |
| | The ability of the device to ensure the confidentiality | | | | | 100 1700111010 |
| | of transmitted personally identifiable information. transmitted only via a point-to-point dedicated | | | | | |
| TXCF-1 | cable? Is personally identifiable information encrypted prior | Yes | | Section 5.18, TXCF | CM-7 | A.12.5.1 |
| TXCF-2 | | No | | Section 5.18, TXCF | CM-7 | A.12.5.1 |
| TXCF-2.1 | configure encryption options? | No | | | | |
| TXCF-3 | Is personally identifiable information transmission restricted to a fixed list of network destinations? | No | | Section 5.18, TXCF | CM-7 | A.12.5.1 |
| TXCF-4 | Are connections limited to authenticated systems? Are secure transmission methods | No | | Section 5.18, TXCF | CM-7 | A.12.5.1 |
| TXCF-5 | supported/implemented (DICOM, HL7, IEEE 11073)? | No | | | | |
| | TRANSMISSION INTEGRITY (TXIG) | | | IEC TR 80001-2-2:2012 | NIST SP 800-53 Rev. 4 | ISO 27002:2013 |
| | The ability of the device to ensure the integrity of transmitted data. | | | 12C IN 00001-2-2.2012 | 14131 SF 000-33 NEV. 4 | 150 27002.2013 |
| | Does the device support any mechanism (e.g., digital | | | | | |
| TXIG-1 | signatures) intended to ensure data is not modified during transmission? | No | | Section 5.19, TXIG | SC-8 | A.8.2.3, A.13.1.1, A.13.2.1, A.13.2.3, A.14.1.2, A.14.1.3 |
| | | | | | | |

| Does the device include multiple sub-components | Hologic, Inc. | Faxitron Specimen Imaging | RD-04176 Rev 001 | 30-Apr-2021 |
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| TXIG-2 connected by external cables? | TXIG-2 | Does the device include multiple sub-components connected by external cables? | No | |

| | REMOTE SERVICE (RMOT) | | | IEC TR 80001-2-2:2012 | NIST SP 800-53 Rev. 4 | ISO 27002:2013 |
|----------|--|----|---|-----------------------|-----------------------|-----------------------------|
| | Remote service refers to all kinds of device | | | | | |
| | maintenance activities performed by a service person | | | | | |
| | via network or other remote connection. | | | | | |
| | Does the device permit remote service connections | | | | | A.6.2.1, A.6.2.2, A.13.1.1, |
| RMOT-1 | for device analysis or repair? | No | _ | | AC-17 | A.13.2.1, A.14.1.2 |
| | Does the device allow the owner/operator to | | | | | |
| | initiative remote service sessions for device analysis | | | | | |
| RMOT-1.1 | or repair? | No | _ | | | |
| | Is there an indicator for an enabled and active remote | 2 | | | | |
| RMOT-1.2 | session? | No | | | | |
| | Can patient data be accessed or viewed from the | | | | | A.6.2.1, A.6.2.2, A.13.1.1, |
| RMOT-1.3 | device during the remote session? | No | _ | | AC-17 | A.13.2.1, A.14.1.2 |
| | Does the device permit or use remote service | | | | | |
| RMOT-2 | connections for predictive maintenance data? | No | _ | | | |
| | functionality (e.g. software updates, remote | | | | | |
| RMOT-3 | training)? | No | | | | |

OTHER SECURITY CONSIDERATIONS (OTHR)

NONE

Notes:

Device contains a limited amount of ePHI to identify images - typically a name, date of birth, patient ID, Note 1 and accession number. Note 2 Optional printing of patient reports Note 3 Factory reset requires Service Personnel to perform Optional importing and exporting of patient Note 4 procedures. Note 5 Backup/Restore Note 6 Typically an RJ45 Ethernet connection. Product application defaults to never logging out Note 7 current user. Inactivity timeout configurable. It's strongly recommend to limit policy changes pushed to the device to User related policies only, such as password complexity requirements, forcing passwords to expire, etc. There are certain policy changes that, if pushed, could negatively impact the Note 8 product application. Strongly recommend configuring the product in its own Organizational Unit and limiting policy changes Note 9 pushed to the system. Option available to install validated CoTS antimalware products. See product support website for list of validated antimalware software solutions and installation guidance. Malware definitions can be updated by customer at will. Hologic suggests keeping antimalware software version at the same major version as what was validated. Note 10 Validated security patches for the product are posted to the product support website at regular intervals. Note 11

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| Note 12 | Vulnerability assessments, leveraging industry standard tools, and Windows security patch validation occur at regular intervals. | |
| | Hologic strives to evaluate and test Windows security updates for the product as they're released (typically | |
| Note 13 | monthly). Software databases and configurations can be backed up. Patient studies should be stored to long term storage or exported to external media by the | |
| Note 14 | customer. Product not designed for long term storage. Patient | |
| Note 15 | studies should be stored to long term storage. Windows Firewall enabled and configured to allow product application network traffic. Patient data only | |
| Note 16 | sent to configured DICOM devices. Hologic Connect leverages an encrypted TLS tunnel for remote Service connectivity. TLS can, optionally, | |
| | be configured for the product Service Tools configuration web application. External network traffic can also be blocked for Service Tools. Patient study transmission to external devices is done using | |
| Note 17 | DICOM, without TLS. Customer may configure TLS at the network layer. Use of unique product accounts is the decision of the | |
| Note 18 | customer. Generic accounts can be removed. Enabled by default, locking the user for 15 minutes | |
| Note 19 Note 20 | after 3 failed logon attempts. Not configured by default Passwords not configured to automatically expire by | |
| Note 21 | default. Configurable by customer. Product application leverages Windows Operating System for user authentication. Credentials not stored in application databases. Credentials | |
| Note 22 | stored/managed securely via Operating System. SBOM reviewed and updated as required during | |
| Note 23 | product update cycles. Product utilizes role-based privileges for many | |
| Note 24 | sensitive areas of the application. Can be configured, not restricted by default. If configured, communicate change to service | |
| Note 25 | representative. Hardware installation would require tools, software | |
| Note 26 | would require OS authentication. Additional hardening or concerns may be discussed with Hologic. Implementing additional hardening | |
| Note 27 | changes may negatively impact the product. Security documentation available on product support | |
| Note 28 Note 29 | website. Contact customer support for instructions | |
| - | ** | |

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| Component Name | Developer | Version(s) | Product Use |
|---|-----------------------------|----------------|--------------------------------------|
| Windows 10 IoT Enterprise x64 | Microsoft | LTSC 2019 | Operating System |
| Vision | Hologic Inc | 3.1.4 | Main system application. |
| FBCamUSB | Hologic Inc | 3.1.1.1 | Detector interface DLL. |
| BiopticsProcessing | Hologic Inc | 2.3.4.1 | Processing DLL. |
| ConfigUtility | Hologic Inc | 1.2.1.1 | Configuration DLL. |
| Logger | Hologic Inc | N/A | Logger DLL. |
| MWLQuery | Hologic Inc | N/A | Modality WorkList query dictionary. |
| FinalCfgChecker | Hologic Inc | 1.0.0.1 | QC checker application. |
| LeadTools | LEAD Technologies, Inc. | 15.0.1 | Visualization and DICOM integration. |
| Adobe Reader XI | Adobe Systems Incorporated | 11.0.23 | Adobe reader. |
| Intel(R) Rapid Storage Technology | Intel Corporation | 16.7.10.1030 | Intel drivers. |
| Intel(R) Graphics Driver | Intel Corporation | 24.20.100.6287 | Intel drivers. |
| Intel(R) Management Engine Components | Intel Corporation | 1829.12.0.1154 | Intel drivers. |
| Intel(R) OptaneTM Pinning Explorer Extensions | Intel Corporation | 16.7.10.1030 | Intel drivers. |
| Microsoft Access database engine 2010 | Microsoft Corporation | 14.0.7015.1000 | Access database engine. |
| Microsoft Visual C++ 2005 Redistributable | Microsoft Corporation | 8.0.61000 | Visual C++ redistributable. |
| Microsoft Visual C++ 2008 Redistributable | Microsoft Corporation | 9.0.21022 | Visual C++ redistributable. |
| Microsoft Visual C++ 2010 Redistributable | Microsoft Corporation | 10.0.30319 | Visual C++ redistributable. |
| Microsoft Visual C++ 2013 Redistributable | Microsoft Corporation | 12.0.30501.0 | Visual C++ redistributable. |
| Realtek High Definition Audio Driver | Realtek Semiconductor Corp. | 6.0.1.8573 | Audio driver. |
| USB Serial Port | Microchip Technology, Inc. | 5.1.2600.7 | USB serial port drivers. |

Additional Notes

Many of the software components listed above are covered by Hologic's program to regularly validate latest released security patches. See the product support website for the latest validated patches available or contact support for assistance.

Note 1