Manufacturer Disclosure Statement for Medical Device Security -- MDS2

Hologic, Inc.	Faxitron Specimen Imaging	RD-04177 Rev 001	3	0-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 Path; PathVision					
DOC-4	Document ID	RD-04177 Rev 001					
5001		Steve Bolduc	—				
DOC-5	Manufacturer Contact Information	steven.bolduc@Hologic.com					
000-5		The Faxitron Path and PathVision	—				
		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						
	manufacturer have a vulnerability disclosure program	<mark>n</mark>					
DOC-8	for this device?	No	_				
	ISAO: Is the manufacturer part of an Information						
DOC-9	Sharing and Analysis Organization?	No					
	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		N/A	—				
	Is the SaMD hosted by the manufacturer?						
DOC-11.3		N/A					
DOC-11.4	Is the SaMD hosted by the customer?	N/A	_				
		Yes, No,					
		N/A, or					
		See Notes	Note #				
	MANAGEMENT OF PERSONALLY IDENTIFIABLE						
	INFORMATION				IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
	Can this device display, transmit, store, or modify						
	personally identifiable information (e.g. electronic						
MPII-1	Protected Health Information (ePHI))?	Yes	Note 1			AR-2	A.15.1.4
	Does the device maintain personally identifiable						
MPII-2	information?	Yes				AR-2	A.15.1.4
	Does the device maintain personally identifiable		_				
	information temporarily in volatile memory (i.e., unti						
MPII-2.1	cleared by power-off or reset)?	Yes				AR-2	A.15.1.4
	Does the device store personally identifiable						
MPII-2.2	information persistently on internal media?	Yes					
111-2.2	Is personally identifiable information preserved in the		-				
MPII-2.3	device's non-volatile memory until explicitly erased?						
WIT 11-2.3	Does the device store personally identifiable						
MPII-2.4	information in a database?	Yes					
1917 11-2. 14	Does the device allow configuration to automatically	105					
	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.J	ic is stored to a long term solution:						A.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	Yes			AR-2	A.15.1.4
MPII-2.8	removed by a service technician (e.g., for separate destruction or customer retention)? Does the device allow personally identifiable	Yes				
	information records be stored in a separate location from the device's operating system (i.e. secondary internal drive, alternate drive partition, or remote					
MPII-2.9	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				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 No	te 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		ote 4		AR-2	A.15.1.4
MPII-3.4	cable connection (e.g., RS-232, RS-423, USB, FireWire, etc.)? Does the device transmit/receive personally	Yes			AR-2	A.15.1.4
MPII-3.5	identifiable information via a wired network connection (e.g., RJ45, fiber optic, etc.)?	Yes No	ite 6		AR-2	A.15.1.4
	Does the device transmit/receive personally identifiable information via a wireless network connection (e.g., WiFi, Bluetooth, NFC, infrared,					
MPII-3.6	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				
	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			IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
	unauthorized users if device is left idle for a period of time.					
	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-		ite 7	Section 5.1, ALOF	AC-12	None
ALOF-2	logoff/screen lock user or administrator configurable?	Yes No	ote 7	Section 5.1, ALOF	AC-11	A.11.2.8, A.11.2.9

Hologic, Inc.

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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 or				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	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
-		—		-	

	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	s				
	through user login requirements or other					
AUTH-1	mechanism?	Yes		Section 5.3, AUTH	IA-2	A.9.2.1
	Can the device be configured to use federated					
	credentials management of users for authorization					
AUTH-1.1	(e.g., LDAP, OAuth)?	Yes	Active Directory	Section 5.3, AUTH	IA-2	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?	Yes	Note 9		Section 5.3, AUTH	IA-2	A.9.2.1
	Can users be assigned different privilege levels based on 'role' (e.g., user, administrator, and/or service,	Νο			Section 5.3, AUTH	IA-2	A.9.2.1
AUTH-2	etc.)? Can the device owner/operator grant themselves unrestricted administrative privileges (e.g., access		-		Section 5.5, 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
	Does the device authorize or control all API access requests?	No			Section 5.3, AUTH	IA-2	A.9.2.1
AUTH-4	Does the device run in a restricted access mode, or	NO	_		Section 5.5, A011	1A-2	A.5.2.1
AUTH-5	'kiosk mode', by default?	No					
					UEC TR 00001 2 2-2012		100 27002-2012
	CYBER SECURITY PRODUCT UPGRADES (CSUP) The ability of on-site service staff, remote service				IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
	staff, or authorized customer staff to install/upgrade device's security patches.						
	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 software/firmware? If no, answer "N/A" to questions						
CSUP-1	in this section.	Yes	Windows				
CC11D 2	Does the device contain an Operating System? If yes, complete 2.1-2.4.						
CSUP-2	Does the device documentation provide instructions	Yes	—				
	for owner/operator installation of patches or						
CSUP-2.1	software updates?	No					
CSUP-2.2	Does the device require vendor or vendor-authorized service to install patches or software updates?	Yes					
	Does the device have the capability to receive remote						
CSUP-2.3	installation of patches or software updates?	Yes					
	Does the medical device manufacturer allow security updates from any third-party manufacturers (e.g.,						
	Microsoft) to be installed without approval from the						
CSUP-2.4	manufacturer?	No					
CSUP-3	Does the device contain Drivers and Firmware? If yes, complete 3.1-3.4.	, Yes					
C30P-3	Does the device documentation provide instructions	ies	—				
	for owner/operator installation of patches or						
CSUP-3.1	software updates?	No					
CSUP-3.2	Does the device require vendor or vendor-authorized service to install patches or software updates?	Yes					
	Does the device have the capability to receive remote						
CSUP-3.3	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?	No	_				
CSLID 4	Does the device contain Anti-Malware Software? If yes, complete 4.1-4.4.	Yes					
CSUP-4	Does the device documentation provide instructions	103					
	for owner/operator installation of patches or						
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				
5501 4.2							

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	Does the device have the capability to receive remote				
CSUP-4.3	installation of patches or software updates?	Yes	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				
CSUP-4.4	manufacturer?	See Notes	Note 10		
	Does the device contain Non-Operating System				
	commercial off-the-shelf components? If yes,				
CSUP-5	complete 5.1-5.4.	Yes	—		
	Does the device documentation provide instructions				
	for owner/operator installation of patches or				
CSUP-5.1	software updates?	No	—		
CSUP-5.2	Does the device require vendor or vendor-authorized service to install patches or software updates?	Yes			
CSUP-5.2					
CSUP-5.3	Does the device have the capability to receive remote installation of patches or software updates?	No			
CSUP-5.3	Does the medical device manufacturer allow security		—		
	updates from any third-party manufacturers (e.g.,				
	Microsoft) to be installed without approval from the				
CSUP-5.4	manufacturer?	No			
C30P-5.4	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.	No			
C30F-0	Does the device documentation provide instructions		—		
	for owner/operator installation of patches or				
CSUP-6.1	software updates?	No			
0001 012	Does the device require vendor or vendor-authorized				
CSUP-6.2	service to install patches or software updates?	No			
	Does the device have the capability to receive remote				
CSUP-6.3	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-6.4	manufacturer?	No			
	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?	No	_		
	Does the manufacturer have an approved list of third	-			
CSUP-9	party software that can be installed on the device?	Yes	Note 10		
	Can the owner/operator install manufacturer-				
	approved 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?	No			
	Does the manufacturer have a process in place to				
CSUP-11	assess device vulnerabilities and updates?	Yes	Note 12		
	Does the manufacturer provide customers with				
CSUP-11.1	review and approval status of updates?	Yes	Note 11		
CSUP-11.2	Is there an update review cycle for the device?	Yes	Note 13		

HE	ALTH 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				
info	prmation that allows identification of a person.				
Do	es the device provide an integral capability to de-				
ide	ntify personally identifiable information?	No	 Section 5.6, DIDT	None	ISO 27038

DIDT-1

nfr.1. $besine the strength of the$	Hologic, Inc.	Faxitron Specimen Imaging	RD-04177 Rev 001		30-Apr-2021			
Image: Section of the state of the sta	DIDT-1.1	that comply with the DICOM standard for de-	Νο	_		Section 5.6, DIDT	None	ISO 27038
Offendamental of dependence information (g. 1000 member inform) (g. 1000 member inform) (g. 10000		The ability to recover after damage or destruction of device data, hardware, software, or site	-			IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
DTR-3 Does the device have an integral did bockup applicity on models medial? Image: Control of the device have an integral did bockup applicity on models medial? Image: Control of the device have an integral did bockup applicity on models medial? Image: Control of the device have an integral did bockup applicity on models medial? Image: Control of the device have an integral did bockup applicity on models medial? Image: Control of the device have an integral did bockup applicity on models medial? Image: Control of the device have an integral did bockup applicity on models medial? Image: Control of the device have an integral did bockup applicity on models medial? Image: Control of the device have an integral did bockup applicity on models medial? Image: Control of the device have an integral did bockup applicity on models medial? Image: Control of the device have an integral did bockup applicity on models medial? Image: Control of the device have an integral did bockup applicity on models medial? Image: Control of the device have an integral did bockup applicity on models did bockup applicity on device have an integral did bockup applicity on models did bockup applicity on device have an integral did bockup applicity on device hav	DTBK-1	Does the device maintain long term primary storage of personally identifiable information / patient information (e.g. PACS)? Does the device have a "factory reset" function to	No	_				
DTR-3 apability to removable neading approximation and approximation app	DTBK-2		See Notes	Note 3		Section 5.7, DTBK	CP-9	A.12.3.1
IDIRA enable of the state of the stat	DTBK-3	capability to removable media?	Yes	Note 14		Section 5.7, DTBK	CP-9	A.12.3.1
DBAG Desk device parovide treagability to check image provide the tagability to check image provide the tage provide	DTBK-4	capability to remote storage? Does the device have a backup capability for system	Yes	Note 14				
DTRLG Integrity and authenticity of a lackup? No	DTBK-5		Yes	Note 14				
FMRG-1 	DTBK-6		No	_		Section 5.7, DTBK	CP-9	A.12.3.1
IGAU IEC TR 80001-2-2:2012 NIST SP 800-53 Rev. 4 ISO 27002:2013 IGAU-1 Does the device name and is from the originator. Does the device provide error/failure protection and recovery mechanisms of stored health data (e.g., RAD-5)? No Section 5.9, IGAU SC-28 A.18.1.3 IGAU-2 RAD-5)? No Section 5.9, IGAU SC-28 A.18.1.3 IGAU-3 RAD-5)? No Note 15 Section 5.9, IGAU SC-28 A.18.1.3 IGAU-4 RAD-5)? RAD-51 Section 5.9, IGAU SC-28 A.18.1.3 IGAU-4 RAD-51 Section 5.10, MLDP	EMRG-1	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		_				
IGAU-1mechanisms of stored health date (e.g., hash or digital signature)?NoSection 5.9, IGAUSC-28A.18.1.3IGAU-2RAID-5)?NoNote 15Section 5.9, IGAUSC-28A.18.1.3IGAU-2RAID-5)?NoNote 15Section 5.9, IGAUSC-28A.18.1.3IGAU-2RAID-5)?NoNote 15Section 5.9, IGAUSC-28A.18.1.3IGAU-2RAID-5)?NoIEC TR 80001-2-2:2012NIST SP 800-53 Rev. 4ISO 27002:2013IGAU-1Is the device copable of hosting executable software?Yes		(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.				IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
IGAU-2 RAID-5)? No Note 15 Section 5.9, IGAU SC-28 A.18.1.3 MLDP-1 MLWARE 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? Software (or other anti-malware mechanism)? Yes	IGAU-1	mechanisms of stored health data (e.g., hash or digital signature)? Does the device provide error/failure protection and				Section 5.9, IGAU	SC-28	A.18.1.3
The ability of the device to effectively prevent, detect and remove malicious software (malware). Section 5.10, MLDP MLDP-1 Is the device capable of hosting executable software (malware). Section 5.10, MLDP Does the device support the use of anti-malware mechanism)? Section 5.10, MLDP MLDP-2 Provide details or reference in notes. Yes MLDP-2.1 Dees the device have anti-malware software A.9.2.3, A.9.4.5, A.12.1.2, A.9.2.3, A.9.4.5, A.12.1.2, Dees the device have anti-malware software A.9.2.3, A.9.4.5, A.12.1.2, A.9.2.3, A.9.4.5, A.12.1.2,	IGAU-2		No	Note 15		Section 5.9, IGAU	SC-28	A.18.1.3
Does the device support the use of anti-malware software (or other anti-malware mechanism)? Image: Construction of the construction of t		The ability of the device to effectively prevent, detect and remove malicious software (malware).					NIST SP 800-53 Rev. 4	ISO 27002:2013
MLDP-2 Provide details or reference in notes. Yes Note 10 Does the device include anti-malware software by A.12.2.1 MLDP-2.1 default? Yes Does the device have anti-malware software Yes	MLDP-1	Does the device support the use of anti-malware	? Yes	-		Section 5.10, MLDP		
MLDP-2.1 default? Yes Section 5.10, MLDP CM-5 A.12.1.4, A.12.5.1 Does the device have anti-malware software	MLDP-2	Provide details or reference in notes.	Yes	Note 10		Section 5.10, MLDP	SI-3	
	MLDP-2.1	default?	Yes			Section 5.10, MLDP	CM-5	
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	MLDP-2.2		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	Vez				CP-10	A.17.1.2
MLDP-2.3	software? Can the device owner/operator independently (re-	Yes			Section 5.10, MLDP	CP-10	A.17.1.2
MLDP-2.4)configure anti-malware settings?	Yes			Section 5.10, MLDP	AU-2	None
MLDP-2.5	Does notification of malware detection occur in the device user interface?	Yes					
	Can only manufacturer-authorized persons repair						
MLDP-2.6	systems when malware has been detected? Are malware notifications written to a log?	Yes Yes					
MLDP-2.7	Are there any restrictions on anti-malware (e.g.,	Tes					
MLDP-2.8	purchase, installation, configuration, scheduling)?	No					
	If the answer to MLDP-2 is NO, and anti-malware cannot be installed on the device, are other						A.12.6.1, A.14.2.2, A.14.2.3,
MLDP-3	compensating controls in place or available?	N/A			Section 5.10, MLDP	SI-2	A.16.1.3
	Does the device employ application whitelisting that restricts the software and services that are permitted						
MLDP-4	to be run on the device?	No			Section 5.10, MLDP	SI-3	A.12.2.1
	Does the device employ a host-based intrusion					a a	
MLDP-5	detection/prevention system? Can the host-based intrusion detection/prevention	No	—		Section 5.10, MLDP	SI-4	None
MLDP-5.1	system be configured by the customer?	Yes	_		Section 5.10, MLDP	CM-7	A.12.5.1
MLDP-5.2	Can a host-based intrusion detection/prevention system be installed by the customer?	Yes			Section 5.10, MLDP		
WILDF-3.2	system be installed by the customer :	163			Section 5.10, WEBP		
	NODE AUTHENTICATION (NAUT)				IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
	The ability of the device to authenticate				IEC TR 80001-2-2:2012	NIST SP 800-55 Kev. 4	150 27002:2015
	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.	Vas			Soction F 11 NAUT	SC-23	Nene
NAUT-1	Web APIs, SMTP, SNMP)? Are network access control mechanisms supported	Yes			Section 5.11, NAUT	30-23	None
	(E.g., does the device have an internal firewall, or use						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				
NAUT-3	Does the device use certificate-based network connection authentication?	No					
NAUT-5	connection autientication?	NO					
	CONNECTIVITY CAPABILITIES (CONN) All network and removable media connections must				IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
	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						
CONN-1	capabilities?	Yes	_				
CONN-1.1 CONN-1.1.1	Does the device support wireless connections? Does the device support Wi-Fi?	No No	_				
CONN-1.1.2	Does the device support Bluetooth?	No	_				
CONN 1 1 2	Does the device support other wireless network	No					
CONN-1.1.3	connectivity (e.g. LTE, Zigbee, proprietary)? Does the device support other wireless connections		—				
CONN-1.1.4	(e.g., custom RF controls, wireless detectors)?	No	_				
CONN-1.2 CONN-1.2.1	Does the device support physical connections? Does the device have available RJ45 Ethernet ports?	Yes Yes	—				
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 ALITHENTICATION (PALIT)

	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		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?		_	Section 5.12, PAUT	IA-2	A.9.2.1
PAUT-11	·····	No		Section 5.12, PAUT	IA-2	A.9.2.1
	Does the device support physical tokens (e.g. badge					
PAUT-12		No	_			
	Does the device support group authentication (e.g.					
PAUT-13		Yes				
	Does the application or device store or manage					
PAUT-14		Yes	Note 22			
PAUT-14.1	Are credentials stored using a secure method?	Yes	Note 22			

PHYSICAL LOCKS (PLOK)

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 media) physically secure (i.e., cannot remove withou	No			Section 5.13, PLOK	PE- 3(4)	A.11.1.1, A.11.1.2, A.11.1.3
PLOK-2	tools)? Are all device components maintaining personally identifiable information (other than removable media) physically secured behind an individually	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 source of information on software support dates and		-		Section 5.14, RDMP	CM-8	A.8.1.1, A.8.1.2
RDMP-3	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 metho	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-2.3 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	Yes Yes	_				
SBOM-3 SBOM-4	components installed on the device? Is there an update process for the SBoM?	No Yes	Note 23				

SYSTEM AND APPLICATION HARDENING (SAHD)

Maximum density of the second seco	Hologic, Inc.	Faxitron Specimen Imaging	RD-04177 Rev 001		30-Apr-2021			
Shiftndary and shiftNoSector 1.0, MillAC.20, Mill							CM-7	A.12.5.1*
Interfactory officiality Interfactory officiality Interfactory (Notified only of property) A122 (ASS 1, 3 S								
Skint of existing of market starts of a start of starts of a start of a star	SAHD-1		No			Section 5.15, SAHD	AC-17(2)/IA-3	
Subs	SAHD-2		No			Section 5.15, SAHD	SA-12(10)	
MADEA Balles oblemation of an employ and employ of an employ o	57415 2							
specific and specific data sensitivity of general and sensitivity of general an	SAHD-3		No					
Subs.1.1 Considering insufficient solution in the institute solutite solutite solution in the institute solution in the in			e.					
Sub.1whole?NoDesk Bedregenove mychanie (separate) serie (separate) (separate) (separate) (separate)NoNoSub.2Desk Bedregenove mychanie (separate) (separate)NoNoSub.2Desk Bedregenove mychanie (separate) (separate)NoNoSub.2Control (separate) 								
Section 2000 Description 2000 Section 2	SAHD-3 1		No					
Sub-32 Lensity induces updates in the unifwee integral i	5410 5.1							
SNID-2 authory operator priors structure integrity deck (i.e., enr) that the symmetry integrity integrity integrity integrity integrity integrity integrity integrity integrity		specific hash key, checksums, digital signature, etc.)						
Subject Conversionation produce integring whether is subject to integring whether is subject to integring integring whether is subject to integring whether implementation in the last partice integring whether is subject in the last partice integring whether is subj								
Shabel a indefact granter bate has noted in modified regression of states controls? Note 24 Sectors 515, SMD OH A1412, A113, B13, B13 Shabel a indefact granter of states controls? Note 24 Sectors 515, SMD OH A112, A113, B13, B13 Shabel a indefact granter of states controls? Note 24 Sectors 515, SMD OH A112, A113, B13, B13 Shabel a indefact granter of states controls? Note 24 Sectors 515, SMD OH A112, A113, B13, B13 Shabel a indefact granter of states controls? Note 24 Sectors 515, SMD OH A112, A113, B13, B13 Shabel a indefact granter of states controls? Note 24 Sectors 515, SMD OH A112, A113, B13, B13 Shabel a indefact granter of states controls? Note 24 Sectors 515, SMD OH A112, A113, B13, B13 Shabel a indefact granter indefact granter indegact granter indega	SAHD-3.2	•	No			Section 5.15, SAHD	CM-8	,
Shifled is the system of production and out may and the system of the								
International problemation of the service of the s	SAHD-4		No			Section 5.15. SAHD	AC-3	
SAND-50 SAND-51 SAND-50More A control 24 Section 51.5, SANDCM-7 CM-7 CM-7 AL2.5.1*SAND-51 Area mystem or user accounts restricted or anamystem or user accounts configurable byte restricted or anamystem or user accounts configurable byte <br< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>, .,</td></br<>								, .,
SAHD-3 Areanyster under scouts freed with a provide non-based acces sorted of Areanyster under scouts freed with a manufecturer at system delivery ander yother non-based acces sorted of ander yother non-based acces sorted of 		implementation of file-level, patient level, or other						
Areal say yothem or user accounts, restricted or diabiled yothem andraturer at yothem or user accounts, software delayer? No Section 5.15, SAHD CM-8 A.81.1, A.8.1.2 SAHD-6.1 end user after initial configurable bythem Does this induce restricting certain system or user accounts, user initial configurable bythem accounts, user initial configurable initial configurable bythem accounts, user initial configurable bythem accounts, user initial configurable bythem accounts, us						,		
SAHD-5. Gisteding further manufacture at system delayer? NO SAED -5.1 Section 5.15, SAHD CN-8 A 8.11, A.8.12 SAHD-5.1 accurry store accurs continguable by the accurs, such as service technicani, to least accurs, such as service technicani, to le	SAHD-5.1	-	Yes	Note 24		Section 5.15, SAHD	CM-7	A.12.5.1*
And-1 Real yolden or user souths configuration yold with yold with a service behavious period wi	SAHD-6		No			Section 5 15 SAHD	CM-8	4811 4812
SAHD-5.1 existration initial configuration? Yes Section 5.15, SAHD CM-7 A.12.5.1* Does this induce strating equations, too least induce strating equations, too least No A.12.5.1* SAHD-6.2 and shared resources (leg., file shares) with and induce strating equations, too least No A.12.5.1* SAHD-7 disabled? No A.12.5.1* Are all communication ports and protocols that and induce strating equations (leg., file shares) with and ports (leg., file shares) with and port (leg., file	SAND-0		NO			Section 5.15, SAID	CIW-0	A.0.1.1, A.0.1.2
SAHD-2. Saturdis such as service fedmicians, for la such	SAHD-6.1		Yes			Section 5.15, SAHD	CM-7	A.12.5.1*
SAID-52 Profileged access? Profileged accesss? Profileged access?		а ,						
Areal shared resources (e.g., file shares) which are not required for the intended use of the device of the dev							<u></u>	
SAHD-7 Increquired for the intended use of the device Are all communication ports and protocols that are increquired for the intended use of the device disable7 No At 25.1* SAHD-8 Are all communication ports and protocols that are increquired for the intended use of the device [FTP]. Internet information server [IS], etc.), with are not required for the intended use of the device [FTP]. Internet information server [IS], etc.), with are not required for the intended use of the device [FTP]. Internet information server [IS], etc.), with are not required for the intended use of the device included applications, etc., Nithernet Explores (SAHD) SA-18 None SAHD-8 Aeal algolications, etc., Nithernet Explores (SAHD) None None SAHD-10 Gente device prohibit boot from uncontrolled or included applications, etc., Nithernet Explores (SAHD) None None SAHD-10 Can the device prohibit boot from uncontrolled or internet dive or menory component/7 None At 12.6.1, At 42.2, At 42.3, At 12.6.1, At 42.4, At 42.4, At 42.4, At 12.6.1, At 42.4, At 42.4, At 13.6, At 13.6, At 14.6, At 14.6, At 14.6, At 14.6, At 14.6, At 16.6, At 16.6, At 16.6, At 16.6, At 16.6, At 16.6,	SAHD-6.2		NO			Section 5.15, SAHD	CM-7	A.12.5.1*
SAHD-7 No								
Instruction	SAHD-7	•	No			Section 5.15, SAHD	CM-7	A.12.5.1*
SAHD-8 diabled? No.								
Are all services (e.g., tellent, file transfer protocol [FP], internat information server [10], etc.), which are not required for the intended use of the device are not required for the intended use of the device Are all applications (CDTS applications as well as OS- included applications, e.g., MS Internet Explorer, etc.) which are not required for the intended use of the included applications, e.g., MS Internet Explorer, etc.) SAHD-10 device deleted/disabled? No. SAHD-10 device deleted/disabled? No. SAHD-10 device deleted/disabled? No. SAHD-10 device deleted/disabled? No. SAHD-10 device deleted/disabled? No. SAHD-10 device deleted/disabled? No. SAHD-10 con the device prohibit bool from uncontrolled or removable media (e.g., a Source other Hans SAHD-10 Contumbried Software or hardware be installed SAHD-11 con the device prohibit bool from uncontrolled or removable media (e.g., a Source other Hans SAHD-12 SAHD-13 con the device prohibit bool from uncontrolled or sAHD-14 Are instructions available from venory formore SAHD-14 Are instructions available from venor of increased SAHD-14 No. SAHD-14 SAHD-14		•						
SAHD-9 Internet information server [115], etc.), with are not required for the intended use of the device of lected/disabled? No	SAHD-8		No	—		Section 5.15, SAHD	SA-18	None
SAHD-9 are not required for the intended use of the device No								
Are all applications, e.g., MS Internet Explorer, etc., included applications, etc., included applica								
included applications, e.g., MS Internet Explore, etc., which are not required for the intended use of the A.12.6.1, A.14.2.2, A.14.2.3, which are not required for the intended use of the Section 5.15, SAHD Section 5.15, SAHD Section 5.15, SAHD Can the device prohibit boot from uncontrolled or removable media (i.e., a source other than an and thive or memory component)? No A.16.1.3 SAHD-11 interdevice other than an and thive or memory component)? No A.16.2.0 SAHD-12 on the device without the use of physical tools? See Notes Note 26 SAHD-13 on operational network security scanning by user? No A.16.2.0 SAHD-14 provided state? Section 5.15, SAHD A.16.1.3 SAHD-15 on operational network security scanning by user? No A.16.2.0 SAHD-14 provided state? Section 5.15, SAHD A.16.1.3 SAHD-14.1 hardening? Yes Note 25 SAHD-14.1 hardening? Yes Available upon request/discussion. SAHD-15.1 bording structure structure structure structur	SAHD-9		No	_		Section 5.15, SAHD	CM-6	None
which are not required for the intended use of the A12.6.1, A.14.2.2, A.14.2.3, SAHD-10 device deteted/disabled? No A12.6.1, A.14.2.2, A.14.2.3, SAHD-10 Can the device prohibit boot from uncontrolled or A12.6.1, A.14.2.2, A.14.2.3, SAHD-11 Can the device prohibit boot from uncontrolled or A12.6.1, A.14.2.2, A.14.2.3, SAHD-11 internal drive or memory component)? No A12.6.1, A.14.2.2, A.14.2.3, SAHD-12 on the device prohibit boot from uncontrolled or Can unauthrized software or hardware be installed Section 5.15, SAHD Section 5.								
SAHD-10 device deleted/disable? No)					A 12 6 1 A 14 2 2 A 14 2 2
Can the device prohibit boot from uncontrolled or removable media (i.e., a source other than an removable media (i.e., a source other than an controlled or	SAHD-10	-	No			Section 5.15, SAHD	SI-2	
SAHD-11 internal drive or memory component)? No Can unauthorized software or hardware be installed on the device without the use of physical tools? See Notes Note 26 Does the product documentation include information See Notes Note 26 On operational network security scanning by users? No Can the device be hardened beyond the default Fee Notes SAHD-14 provided state? Are instructions available from vendor for increased Are instructions available from vendor for increased Can the system prevent access to BIOS or othe Have additional hardening methods not included in Yes SHAD-15 bootloaders during boot? Have additional hardening methods not included in Yes	5, (15, 10							
SAHD-12 Can unauthorized software or hardware be installed on the device withou the use of physical tools? See Notes Note 26 See Notes Note 26 Does the product documentation include information		. ,						
SAHD-12 on the device without the use of physical tools? See Notes Note 26 Does the product documentation include information	SAHD-11		No					
Does the product documentation include information SAHD-13 on operational network security scanning by users? No	SAUD 12		See Notes	Note 26				
SAHD-13 on operational network security scanning by users? No	SAND-12			Note 20				
SAHD-14 provided state? See Notes Note 27 Are instructions available from vendor for increased	SAHD-13							
Are instructions available from vendor for increased SAHD-14.1 hardening? Yes Available upon request/discussion. Can the system prevent access to BIOS or other SHAD-15 bootloaders during boot? Yes Note 25 Have additional hardening methods not included in								
SAHD-14.1 hardening? Yes Available upon request/discussion. Can the system prevent access to BIOS or other	SAHD-14	•	See Notes	Note 27				
Can the system prevent access to BIOS or other SHAD-15 bootloaders during boot? Yes Note 25 Have additional hardening methods not included in			Voc	Available upon request/discussion				
SHAD-15 bootloaders during boot? Yes Note 25 Have additional hardening methods not included in	5AHD-14.1		165	Available upon request/discussion.				
Have additional hardening methods not included in	SHAD-15		Yes	Note 25				
SAHD-16 2.3.19 been used to harden the device? No		Have additional hardening methods not included in						
	SAHD-16	2.3.19 been used to harden the device?	No					

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	SECURITY GUIDANCE (SGUD) Availability of security guidance for operator and administrator of the device and manufacturer sales and service.				IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
SGUD-1	Does the device include security documentation for the owner/operator? Does the device have the capability, and provide	Yes	Note 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?	Yes	Note 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	Available 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 access does not compromise the integrity and confidentiality of personally identifiable information				IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
STCF-1	stored on the device or removable media. 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? Is the data stored in a database located on the	No No			Section 5.17, STCF	SC-28	A.8.2.3
STCF-3	device? Is the data stored in a database external to the	Yes	—				
STCF-4	device?	No	_				
	TRANSMISSION CONFIDENTIALITY (TXCF) The ability of the device to ensure the confidentiality of transmitted personally identifiable information.				IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
TXCF-1	transmitted only via a point-to-point dedicated cable?	Yes			Section 5.18, TXCF	CM-7	A.12.5.1
TXCF-2	Is personally identifiable information encrypted prior to transmission via a network or removable media?				Section 5.18, TXCF	CM-7	A.12.5.1
TXCF-2.1	If data is not encrypted by default, can the customer configure encryption options? Is personally identifiable information transmission	No					
TXCF-3 TXCF-4	restricted to a fixed list of network destinations? Are connections limited to authenticated systems?	No No	_		Section 5.18, TXCF Section 5.18, TXCF	CM-7 CM-7	A.12.5.1 A.12.5.1
TXCF-5	Are secure transmission methods supported/implemented (DICOM, HL7, IEEE 11073)?	No	_				
	TRANSMISSION INTEGRITY (TXIG) The ability of the device to ensure the integrity of transmitted data.				IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
TXIG-1	Does the device support any mechanism (e.g., digital signatures) intended to ensure data is not modified during transmission?	Νο			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				
TXIG-2	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	e					
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)	IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
	NONE			
	Notes:			
	Device contains a limited amount of ePHI to identify			
	images - typically a name, date of birth, patient ID,			
1	and accession number			

		-
Note 1	and accession number.	
Note 2	Optional printing of patient reports	

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

 Note 10
 major version as what was validated.
- Validated security patches for the product are postedNote 11to the product support website at regular intervals.

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	Vulnerability assessments, leveraging industry	
	standard tools, and Windows security patch	
Note 12	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	
Note 44	storage or exported to external media by the	
Note 14	customer.	
Note 15	Product not designed for long term storage. Patient studies should be stored to long term storage.	
NOLE 15	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	
	DICOM, without TLS. Customer may configure TLS at	
Note 17	the network layer.	
	Use of unique product accounts is the decision of the	
Note 18	customer. Generic accounts can be removed.	
Note 19	Enabled by default, locking the user for 15 minutes after 3 failed logon attempts.	
Note 20	Not configured by default	
Note 20	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.	
Note 25	Hardware installation would require tools, software	
Note 26	would require OS authentication.	
11010 20	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	website.	
Note 29	Contact customer support for instructions	

30-Apr-2021

Component Name	Developer	Version(s)	Product Use
ndows 10 IoT Enterprise x64	Microsoft	LTSC 2019	Operating System
ion	Hologic Inc	3.1.4	Main system application.
CamTLDS	Hologic Inc	1.1.0	Detector interface DLL.
pticsProcessing	Hologic Inc	2.3.4.1	Processing DLL.
nfigUtility	Hologic Inc	1.2.1.1	Configuration DLL.
AutoStart	Hologic Inc	1.2.3.1	Auto start application.
gger	Hologic Inc	N/A	Logger DLL.
NLQuery	Hologic Inc	N/A	Modality WorkList query dictionary.
alCfgChecker	Hologic Inc	1.0.0.1	QC checker application.
adTools	LEAD Technologies, Inc.	15.0.1	Visualization and DICOM integration.
obe Reader XI	Adobe Systems Incorporated	11.0.23	Adobe reader.
el(R) Rapid Storage Technology	Intel Corporation	16.7.10.1030	Intel drivers.
el(R) Graphics Driver	Intel Corporation	24.20.100.6287	Intel drivers.
el(R) Management Engine Components	Intel Corporation	1829.12.0.1154	Intel drivers.
el(R) OptaneTM Pinning Explorer Extensions	Intel Corporation	16.7.10.1030	Intel drivers.
crosoft Access database engine 2010	Microsoft Corporation	14.0.7015.1000	Access database engine.
crosoft Visual C++ 2005 Redistributable	Microsoft Corporation	8.0.61000	Visual C++ redistributable.
crosoft Visual C++ 2008 Redistributable	Microsoft Corporation	9.0.21022	Visual C++ redistributable.
crosoft Visual C++ 2008 Redistributable	Microsoft Corporation	9.0.30729.6161	Visual C++ redistributable.
crosoft Visual C++ 2010 Redistributable	Microsoft Corporation	10.0.30319	Visual C++ redistributable.
crosoft Visual C++ 2013 Redistributable	Microsoft Corporation	12.0.30501.0	Visual C++ redistributable.
altek High Definition Audio Driver	Realtek Semiconductor Corp.	6.0.1.8573	Audio driver.
nICam	GenICam Standard Committee	2.4.0	Detector application.
IDIA Graphics Driver	NVIDIA Corporation	451.67	NVIDIA drivers.
edyne DALSA GenICam	Teledyne DALSA	3.02	Detector application.
edyne DALSA Sapera LT Runtime	Teledyne DALSA	8.41.00.1955	Detector application.
edyne DALSA Sapera Network Imaging Package	Teledyne DALSA	5.31.00.0908	Detector application.
ptics USB-VCP Port	FTDI	2.12.0.0	USB-VCP port drivers.

Additional Notes

· DIL · CAALL · L. (CD · AA)

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