

MEDICAL DEVICE DISCLOSURE STATEMENT FOR MEDICAL DEVICE **SECURITY** SuperSonic MACH 40 **SW V3.X**

DOCUMENT CONFIDENTIEL

CONFIDENTIAL DOCUMENT

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	Manufacturer Discl	osure Statement for Me	dical Device Se	curity – MI	DS ²
		DEVICE DESCRIP			
Device Category	Manufacturer	Document ID	Document F	elease Date	
Ultrasound imaging modality	Hologic	RD.REC.115	20201109		
	SuperSonic Imagine				
Device Model	Software Revision		Software Re	looco Doto	
				lease Dale	
Supersonic MACH40 SuperSonic In	V3	Manufacturer Contact In	20201115		
Manufacturer or	nagine		Iomation		
Representative	e Name/Position				
Contact Information					
Internal of the state in matural					
Intended use of device in network The device is an ultrasound scanne		tad to:			
The device is an unasound scaling					
				Yes, No,	#
Refer to Section 2.3.2 of this	s standard for the proper inter	pretation of information request	ed in this form.	N/A, or See Note	Note
A Can this device display, tra	insmit, or maintain private da	ta (including electronic Protect	ted Health	See Note	
Information [ePHI])?	· •				
					If a hacker gains access to the patient's
					database hosted by the Medical
					Equipment, there is typically no Social
					Security numbers, addresses, credit cards or other potentially lucrative
					personal information stored in it.
					A more likely scenario would be that
					Medical Equipment could be used to
					provide a "backdoor" into the PACS, or
					hospital information system to shut that
				Yes	down and use it as a potential
					ransomware threat.
					Ultrasound devices are less likely to be
					targeted as they are not 100% up and
					running. This Medical Equipment has
					no remote port opened except the
					DICOM one which do not provide
					remote access on the Ultrasound device.
					Thanks to design decision, an attack on
					this port would only limit the capability
					to receive image and not affect the
					capability to produce and exchange images with the PACS.
B Types of private data elem	ients that can be maintained b	w the device :			images with the LACS.
	name, address, location, uniq			Yes	
		test or treatment date, device	identification	Yes	—
		st results, or physiologic data w			—
abarastaristica\0	text entered by device user/c		landonarying	Yes	Operator can save text in annotation
D.4 Open, unstructured	text entered by device user/c			Yes	displayed on images
B.5 Biometric data?				No	F)
B.6 Personal financial in	formation?			No	—
C Maintaining private data - (110	—
31		ory (i.e., until cleared by power-	off or reset)?	Yes	
	persistently on local media?		7	Yes	—
	te data with other systems?			1 08	Export Exam to PACS, and removable
				Yes	media
C.4 Maintain private da	ta during power service interru	uptions?		Yes	_
D Mechanisms used for the tr	ansmitting, importing/exportin	g of private data – Can the de	vice:		—
	(e.g., video display, etc.)?			Yes	
	reports or images containing	private data?		Yes	—
		a to removable media (e.g., di	sk, DVD, CD-ROM	Yes	—
			. , , 30	1 05	—

D.4	Transmit/receive or import/export private data via dedicated cable connection (e.g., IEEE 1073,	Yes	
D.5	Transmit/receive private data via a wired network connection (e.g., LAN, WAN, VPN, intranet,	Yes	
D.6	Transmit/receive private data via an integrated wireless network connection (e.g., WiFi, Bluetooth,	Yes	
D.7	Import private data via scanning?	Yes	Barcode scanner
D.8	Other?	No	
gement te Data i			

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Device	Category	Manufacturer	Document ID	Document Re	lease Date	
Ultrase	ound imaging modality	Hologic	RD.REC.115	20201109		
		SuperSonic Imagine				
Device	Model	Software Revision		Software Rele	ease Date	
Supers	sonic MACH40	V 3		20201115		
			SECURITY CAPAB	ILITIES		
					Yes, No,	# 0
	Refer to Section 2.3.2 of th	is standard for the proper inte	rpretation of information reques	sted in this form.	N/A, or See Note	Note
1	AUTOMATIC LOGOFF (A	LOF)				
	The device's ability to pre-	vent access and misuse by ur	nauthorized users if device is le	eft idle for a period of tin	ne.	
1-1		red to force reauthorization of	logged-in user (s) after a pred	etermined length of	Yes	_
	1-1.1 Is the length of inac	ctivity time before auto-logoff/	screen lock user or administrat	tor configurable?		
	(Indicate time [fixed	d or configurable range] in not	es.)		Yes	Configurable to the following values
	1-1.2 Can auto-logoff/sci	een lock he manually invoker	l (e.g., via a shortcut key or pro	vimity sensor etc.) by	V	min (default), 20 min, 30min or nev
	1-1.2 Call auto-logoli/sci		r (e.g., via a shortcut key or pro	inity sensor, etc.) by	Yes	—
ALOF						
		_				
2	AUDIT CONTROLS (AUD The ability to reliably audit					
2-1	Can the medical device of					The soudiate state of an also density
2-1	Can the medical device of	reate an audit trai l?			Yes	The audit logs are stored on the devi- Their are not exported to an audit
					103	repository
2-2	Indicate which of the follow	ving events are recorded in the	e audit log:			
	2-2.1 Login/logout				Yes	
	2-2.2 Display/presentation	on of data			Yes	_
	2-2.3 Creation/modificati	on/deletion of data			Yes	_
	2-2.4 Import/export of da	ta from removable media			Yes	
	2-2.5 Receipt/transmissi	on of data from/to external (e.	g., network) connection		Yes	
	2-2.5.1 Remote serv	vice activity			No	_
	2-2.6 Other events? (des	scribe in the notes section)				The following event are logged:
						- Instance deleted (when exam are
						deleted from device)
						- Study used (when an exam is
					Yes	reviewed) - Security alert (when setup are
						changed)
						-Actor start/stop
						-Audit Log used
2-3	Indicate what information i	s used to identify individual or	ents recorded in the audit log:			
2-0	2-3.1 User ID	o accuration activity interviewed ev	onto recorded in the adult log.		v	
	2-3.1 User 1D 2-3.2 Date/time				Yes	—
	2 0.2 Bato, time				Yes	—
AUDT notes:						
3	AUTHORIZATION (AUTH)				
	•	determine the authorization o	f users.			
3-1	Can the device prevent ac	ccess to unauthorized users t	hrough user login requirements	s or other mechanism?	Yes	

:	3-2	Can users be assigned different privilege levels within an application based on 'roles' (e.g., guests, regular users , power users , administrators, etc.)?	Yes	3 roles are defined: Emergency access can only acquire images, Sonographer create, review, delete, export exams and admin can configure the device in addition to what a sonographer can do.
:		Can the device owner/ operator obtain unrestricted administrative privileges (e.g., access operating system or application via local root or admin account)?	yes	User interface does not allow user to interact with operating system. There is no access for a user to the underlying OS
	UTH otes:			

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Device Category	Manufacturer	Document ID	Document I	Release Date	
Ultrasound imaging modality	Hologic SuperSonic Imagine	RD.REC.115	20201109		
Device Model	Software Revision	ii	Software R	elease Date	
Supersonic MACH40	V3		20201115		
Refer to Section 2.3.2 of th	nis standard for the proper inter	pretation of information reques	sted in this form.	Yes, No, N/A, or See Note	Note #
The ability to configure/re-	ECURITY FEATURES (CNFS) -configure device security cap erator reconfigure product secu		s.		Only admin users can change security
CNFS notes:				Yes	features
	DUCT UPGRADES (CSUP) ice staff, remote service staff, o	r authorized customer staff to	install/upgrade devic	e's security pate	ches.
5-1 Can relevant OS and dev	ice security patches be applied	to the device as they become	e available?	Yes	Quick installe: Security patch are applyied by SSI's Field service engineers.
5-1.1 Can security patch CSUP notes:	nes or other software be installe	d remotely?		Yes	For Online service contact SSI
10100.					
6 HEALTH DATA DE-IDEN	ITIFICATION (DIDT)				

		Yes	USB/CD/DVD: -Jpeg export of US images are anonymised (as soon as operator does not entre PHI in annotation) - screenshot of patient folder are not anonymised (patient name, DoB, Patient ID, accession# may be visible) - report are not anonymised (patient name, DoB, Patient ID, accession# may be visible) For printed images: no anonymisation (patient name, DoB, Patient ID, accession# are visible) For DICOM : Basic Profile, for US images being exported on DICOM Store and DICOM Media no anonymisation for - DICOM Print (patient name, DoB, Patient ID, accession# will be visible) - screenshot of patient folder are not anonymised (patient name, DoB, Patient ID, accession# may be visible) - report are not anonymised (patient name, DoB, Patient ID, accession# may be visible)
DIDT otes:			
	A BACKUP AND DISASTER RECOVERY (DTBK)		
7-1 Doe	ability to recover after damage or destruction of device data, hardware, or software. s the device have an integral data backup capability (i.e., backup to remote storage or removable lia such as tape, disk)?	Yes	Export to DICOM Backup Restore
TBK otes:			
	ERGENCY ACCESS (EMRG)		
	ability of device users to access private data in case of an emergency situation that requires immediat	e access to s	tored private data.
8-1 Doe	s the device incorporate an emergency access ("break-glass") feature?	Yes	
MRG			
otes:			
	ALTH DATA INTEGRITY AND AUTHENTICITY (IGAU)		
9 HEA	ALTH DATA INTEGRITY AND AUTHENTICITY (IGAU) the device ensures that data processed by the device has not been altered or destroyed in an unautho	rized manner	and is from the originator.
 9 HEA How 9-1 Doe 		rized manner Yes	and is from the originator. The mechanisms are provided by the OS

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Device Model	Software Revision		Software Release Date	
Supersonic MACH40	V3		20201115	
Refer to Section 2.3.2 of the	is standard for the proper inter	rpretation of information requested in this	Yes, No, form. N/A, or See Note	Note #
10 MALWARE DETECTION. The ability of the device to	· · ·	d remove malicious software (malware).		

10-1 Does the device support the use of anti-malware software (or other anti-malware mechanism)?

		Yes	Malicious code protection mechanisms by: - Use of secure Open-source operating system - Pervasive configuration management and comprehensive software integrity controls are used to prevent execution of unauthorized code - secure coding practices, configuration management and control, trusted procurement processes, and monitoring practices to help ensure that software does not perform functions other than the functions intended
	10-1.1 Can the user independently re-configure anti-malware settings?	No	_
	10-1.2 Does notification of malware detection occur in the device user interface?	No	_
	10-1.3 Can only manufacturer-authorized persons repair systems when malware has been detected?	Yes	_
10-2	Can the device owner install or update anti-virus software?	No	_
10-3	Can the device owner/operator (technically/physically) update virus definitions on manufacturer-installed anti-	No	_
MLDP notes:			
11	NODE AUTHENTICATION (NAUT)		
	The ability of the device to authenticate communication partners/nodes.		
11-1	Does the device provide/support any means of node authentication that assures both the sender and the	No	_
NAUT notes:			
12	PERSON AUTHENTICATION (PAUT)		
	Ability of the device to authenticate users		
12-1	Does the device support user/operator-specific username(s) and password(s) for at least one user?	Yes	_
	12-1.1 Does the device support unique user/operator -specific IDs and passwords for multiple users?	No	4 accounts exists: emergency access, sonographer, admin and service
12-2	Can the device be configured to authenticate users through an external authentication service (e.g., MS	No	_
12-3	Can the device be configured to lock out a user after a certain number of unsuccessful logon attempts?	No	_
12-4	Can default passwords be changed at/prior to installation?	Yes	_
12-5	Are any shared user IDs used in this system?	Yes	_
12-6	Can the device be configured to enforce creation of user account passwords that meet established	No	_
12-7	Can the device be configured so that account passwords expire periodically?	No	_
PAUT notes:			
13	PHYSICAL LOCKS (PLOK)		
	Physical locks can prevent unauthorized users with physical access to the device from compromising the integra	ity and co	onfidentiality of private data stored on the
13-1	Are all device components maintaining private data (other than removable media) physically secure (i.e.,	Yes	_
PLOK			

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Device Model	Software Revision		Software Rele	ease Date	
Supersonic MACH40	V3		20201115		
Refer to Section 2.3.2 of th	is standard for the proper inter	rpretation of information reques	sted in this form.	Yes, No, N/A, or See Note	Note #
	is standard for the proper inter		sted in this form.	N/A, or	# S
14 ROADMAP FOR THIRD F	PARTY COMPONENTS IN DE			N/A, or	# Z

14-2 Is a list of other third party applications provided by the manufacturer available?

Yes

Fusion (purcheasble option) Debian GNU/Linux

RDMP

notes:			
15	SYSTEM AND APPLICATION HARDENING (SAHD)		
	The device's resistance to cyber attacks and malware.		
15-1	Does the device employ any hardening measures? Please indicate in the notes the level of conformance to any industry-recognized hardening standards.	Yes	The folowing compensation are implemented to harden system - Single-function system: US - Address space layout randomization (ASLR) - Protected database link (only local access enabled, password protection)Unused services disabled - Remote loging service disabled - Use of Mandatory Access Control (MAC) mecanism - Least privilege principle - Least functionality principle
15-2	Does the device employ any mechanism (e.g., release-specific hash key, checksums, etc.) to ensure the		
	installed program/update is the manufacturer-authorized program or software update?	Yes	All the software included in the medica device are provided by a trusted source provider (GNU/Linux Debian). The Debian packages that are included on the medical devices are digitally signed by SuperSonic Imagine. Debian package is a tamper-evident packaging format.
15-3	Does the device have external communication capability (e.g., network, modem, etc.)?	Yes	External communication capability: Network: used for DICOM communication
15-4	Does the file system allow the implementation of file-level access controls (e.g., New Technology File System (NTFS) for MS Windows platforms)?	Yes	ReiserFS
15-5	Are all accounts which are not required for the intended use of the device disabled or deleted, for both	Yes	
15-6	Are all shared resources (e.g., file shares) which are not required for the intended use of the device , disabled?	Yes	The system does not used any shared resources.
15-7	Are all communication ports which are not required for the intended use of the device closed/disabled?	Yes	The DICOM port is the only port opened. Its use is documented in the DICOM Conformance Statement
15-8	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 deleted/disabled?	Yes	Those services are not installed on the Medical Devices
15-9	Are all applications (COTS applications as well as OS-included applications, e.g., MS Internet Explorer, etc.) which are not required for the intended use of the device deleted/disabled?	Yes	Only essentials packages are installed on the medical device. No web browse are installed.
15-10	Can the device boot from uncontrolled or removable media (i.e., a source other than an internal drive or memory component)?	No	Booting from external device is not authorized
15-11	Can software or hardware not authorized by the device manufacturer be installed on the device without the use of tools?	No	
SAHD	notes:		
16	SECURITY GUIDANCE (SGUD)		
	The availability of security guidance for operator and administrator of the system and manufacturer sales and so	ervice.	
16-1	Are security-related features documented for the device user ?	Yes	Security information are included in the User Guide
16-2	Are instructions available for device /media sanitization (i.e., instructions for how to achieve the permanent deletion of personal or other sensitive data)?	No	Permanent deletion of data require storage device destruction.
SGUE) notes:		

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Device Category

Ultras	ound imaging modality	Hologic SuperSonic Imagine	RD.REC.115	20201109		
Device	e Model	Software Revision		Software Rele	ease Date	
Super	sonic MACH40	V3		20201115		
	Refer to Section 2.3.2 of this	standard for the proper inte	erpretation of information request	ed in this form.	Yes, No, N/A, or See Note	Note #
17	HEALTH DATA STORAGE The ability of the device to	•	,	ty and confidentiality of	of private dat	a stored on device or removable media
17-1	Can the device encrypt dat	a at rest?			Yes	e-PHI contained in database, DICOM objects, native archives and logs are stored on an encrypted partition using TPM1.2
STCF notes:						
18	TRANSMISSION CONFIDE	ENTIALITY (TXCF)				
	The ability of the device to	ensure the confidentiality of	transmitted private data.			
18-1	Can private data be transn	nitted only via a point-to-point	nt dedicated cable?		No	_
18-2	Is private data encrypted p	rior to transmission via a ne	etwork or removable media? (If y	es, indicate in the	No	_
18-3	Is private data transmissio	n restricted to a fixed list of	network destinations?		Yes	_
TXCF notes:						
19	TRANSMISSION INTEGRI The ability of the device to	. ,	mitted private data .			
19-1			nsure data is not modified during	transmission? (If	Yes	DICOM TLS
TXIG notes:	···	**	× ·			
20	OTHER SECURITY CONS Additional security conside	· · ·	dical device security.			
20-1	Can the device be serviced	remotely?			Yes	
20-2	Can the device restrict rem	ote access to/from specifie	d devices or users or network loc	ations (e.g., specific	Yes	
	20-2.1 Can the device be o	configured to require the loc	al user to accept or initiate remot	e access?	Yes	Local user acceptance is mandatory to initiate a remote access
OTHR notes:						

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Γ		
	Yes	
	No	
	N/A	
	See Note	

1/1/2020

Hologic SuperSonic imagine	closure Statement for Medical Dev SuperSonic MACH 40 V3.0	RD.REC.115	15-Nov-2020			
Hologic SuperSonic imagine	Supersonic MACH 40 VS.0	ND.REC.115	13-100-2020			
Question ID	Question	Answer	See note	IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
000-1	Manufacturer Name	Hologic SuperSonic imagine	See lible	IEC TR 80001-2-2.2012	NIST SF 800-33 Kev. 4	130 27002.2013
000-1	Device Description	Ultrasound imaging modality	-			
000-3	Device Model	SuperSonic MACH 40 V3.0	-			
DOC-4	Document ID	RD.REC.115				
5004		Cybersecurity questions shall be asked to				
		cybersecurity@supersonicimagine.com				
DOC-5	Manufacturer Contact Information	For other inquiries please contact your local representative.				
		The device is an ultrasound scanner. It is intended to be connected to:				
		- a PACS in order to archive the images acquired by the device ; and				
		- a Worklist server in order to receive patient and exam information.				
	Intended use of device in network-connected	A purchasable option also allow device to query exam an retrieve images				
DOC-6	environment:	archived on the PACS.				
DOC-7	Document Release Date	15/11/202	0			
	Coordinated Vulnerability Disclosure: Does the					
	manufacturer have a vulnerability disclosure program		Vulnerabilities information available at:			
DOC-8	for this device?	Yes	https://www.supersonicimagine.Com/security			
	ISAO: Is the manufacturer part of an Information					
DOC-9	Sharing and Analysis Organization?	Yes	-			
	Diagram: Is a network or data flow diagram available					
	that indicates connections to other system					
DOC-10	components or expected external resources?	Yes	see Network and Data Flow Diagram			
00044	SaMD: Is the device Software as a Medical Device (i.e.	No				
DOC-11	software-only, no hardware)? Does the SaMD contain an operating system?	No N/A	-			
DOC-11.1		N/A	-			
	Does the SaMD rely on an owner/operator provided					
DOC-11.2	operating system?	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 Note	Note #			
	MANAGEMENT OF PERSONALLY IDENTIFIABLE					
	INFORMATION			IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
			This device download, display, transmit and store			
			the following PII:			
1			Patient Name			
	Can this device display, transmit, store, or modify		Patient ID			
	personally identifiable information (e.g. electronic		Patient Age			
MPII-1	Protected Health Information (ePHI))?	Yes	Date of birth		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., until					
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	-			
	le nersenellu identifiable isformation and it is					
MDU 2 2	Is personally identifiable information preserved in the	Vaa				
MPII-2.3	device's non-volatile memory until explicitly erased? Does the device store personally identifiable	Yes	-			
MPII-2.4	information in a database?	Yes				
IVIT II-2.4	mornation in a uatabase?	105	By default, the exams must be manually deleted.			
			However the device can be configured to delete :			
			 all the exams after a configurable period of time 			
			 all the archived exams after a configurable period of time 			
			of time			
			all the exams archived and committed after a			
	Does the device allow configuration to automatically		configurable period of time			
	delete local personally identifiable information after it		the oldest exams when disk is full after a			
	is stored to a long term solution?	Yes	configurable period of time		AR-2	A.15.1.4
MDIL-2.5			comparable period of time		701-4	A.12.1.4
MPII-2.5	Does the device import/export personally identifiable		The dealer will share built and the second life word life			
MPII-2.5	Does the device import/export personally identifiable information with other systems (e.g., a wearable					
MPII-2.5	information with other systems (e.g., a wearable		The device will query PII from the modality worklist server and transmit PHI on PACS and on removable			
MPII-2.5	information with other systems (e.g., a wearable monitoring device might export personally identifiable	γρς	server, and transmit PHI on PACS and on removable		4R -2	A 15 1 4
MPII-2.5 MPII-2.6	information with other systems (e.g., a wearable monitoring device might export personally identifiable information to a server)?	Yes			AR-2	A.15.1.4
	information with other systems (e.g., a wearable monitoring device might export personally identifiable	Yes	server, and transmit PHI on PACS and on removable		AR-2	A.15.1.4

A	B	21	2	3

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Hologic SuperSonic imagine	SuperSonic MACH 40 V3.0	RD.REC.115	15-Nov-2020			
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	Does the device allow the internal media to be					
	removed by a service technician (e.g., for separate					
MPII-2.8	destruction or customer retention)?	Yes				
	Does the device allow personally identifiable					
	information records be stored in a separate location					
	from the device's operating system (i.e. secondary					
	internal drive, alternate drive partition, or remote		The PHI are stored on a dedicated crypted partition			
MPII-2.9	storage location)?	Yes	separated from the device's Operating System.		AR-2	A.15.1.4
	Does the device have mechanisms used for the		e-PHI can be transmitted over DICOM Storage			
	transmitting, importing/exporting of personally	Yes	service, exportation on removable device and		AR-2	A.15.1.4
MPII-3	identifiable information? Does the device display personally identifiable	Tes	backup restore		AR-2	A.15.1.4
MPII-3.1	information (e.g., video display, etc.)?	Yes	e-PHI are displayed on main screen		AR-2	A.15.1.4
WF 11-3.1	mormation (e.g., video display, etc.):				ANZ	A.13.1.4
	Does the device generate hardcopy reports or images					
MPII-3.2	containing personally identifiable information?	Yes			AR-2	A.15.1.4
	Does the device retrieve personally identifiable		The device can record PII to USB removable HDD,			
	information from or record personally identifiable		USB Memory, DVD-R/RW, CD-R/RW.			
	information to removable media (e.g., removable-		The device can also import and display PHI from the			
	HDD, USB memory, DVD-R/RW,CD-R/RW, tape, CF/SD		above-mentioned device (but it is a purchasable			
MPII-3.3	card, memory stick, etc.)?	Yes	option)		AR-2	A.15.1.4
	Does the device transmit/receive or import/export					
	personally identifiable information via dedicated cable					
MPII-3.4	connection (e.g., RS-232, RS-423, USB, FireWire, etc.)?	No	—		AR-2	A.15.1.4
	Does the device transmit/receive personally					
	identifiable information via a wired network	Yes	The device can connect to Ethernet petwerks		AR-2	A 1E 1 A
MPII-3.5	connection (e.g., RJ45, fiber optic, etc.)? Does the device transmit/receive personally	res	The device can connect to Ethernet networks		AR-2	A.15.1.4
	identifiable information via a wireless network					
	connection (e.g., Wi-Fi, Bluetooth, NFC, infrared,		The device can connect to Wi-Fi (this is a			
MPII-3.6	cellular, etc.)?	Yes	purchasable option)		AR-2	A.15.1.4
	Does the device transmit/receive personally		The device can be remote-serviced (this is a		7.002	/ 123121-1
	identifiable information over an external network		purchasable option). During such connection an			
MPII-3.7	(e.g., Internet)?	Yes	operator may access to PII.		AR-2	A.15.1.4
	Does the device import personally identifiable					
MPII-3.8	information via scanning a document?	No				
	Does the device transmit/receive personally					
MPII-3.9	identifiable information via a proprietary protocol?	No				
			Device's information (that may or may not include			
	Does the device use any other mechanism to transmit,	N	PII) can be backed up and restored. Both actions		AR-2	
MPII-3.10 Management of Private Data n	import or export personally identifiable information?	Yes	require USB access and admin role.		AR-2 AR-2	A.15.1.4 A.15.1.4
Inianagement of Private Data n	otes.				AR-2	A.15.1.4
				IEC TP 90001 2 2:2012		150 27002-2012
	AUTOMATIC LOGOFF (ALOF)			IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
	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
	The device's ability to prevent access and misuse by unauthorized users if device is left idle for a period of			IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
	The device's ability to prevent access and misuse by unauthorized users if device is left idle for a period of time.		upon a configurable period of time, a screen saver	IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
	The device's ability to prevent access and misuse by unauthorized users if device is left idle for a period of time. Can the device be configured to force reauthorization		upon a configurable period of time, a screen saver will hide screen information and lock session.	IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
	The device's ability to prevent access and misuse by 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			IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
ALOF-1	The device's ability to prevent access and misuse by unauthorized users if device is left idle for a period of time. Can the device be configured to force reauthorization	Yes	will hide screen information and lock session.	IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
ALOF-1	The device's ability to prevent access and misuse by 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	Yes	will hide screen information and lock session. Locked sessions can be terminated to give access to			
ALOF-1	The device's ability to prevent access and misuse by 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	Yes	will hide screen information and lock session. Locked sessions can be terminated to give access to			
ALOF-1 ALOF-2	The device's ability to prevent access and misuse by 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 protected screen saver)?	Yes	will hide screen information and lock session. Locked sessions can be terminated to give access to another user.			
	The device's ability to prevent access and misuse by 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 protected screen saver)? Is the length of inactivity time before auto-	Yes	will hide screen information and lock session. Locked sessions can be terminated to give access to another user. Configurable to the following values 10 min	Section 5.1, ALOF	AC-12	None
	The device's ability to prevent access and misuse by 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 protected screen saver)? Is the length of inactivity time before auto-	Yes	will hide screen information and lock session. Locked sessions can be terminated to give access to another user. Configurable to the following values 10 min	Section 5.1, ALOF Section 5.1, ALOF	AC-12 AC-11	None A.11.2.8, A.11.2.9
	The device's ability to prevent access and misuse by 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 protected screen saver)? Is the length of inactivity time before auto-	Yes	will hide screen information and lock session. Locked sessions can be terminated to give access to another user. Configurable to the following values 10 min	Section 5.1, ALOF	AC-12	None
	The device's ability to prevent access and misuse by 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 protected screen saver)? Is the length of inactivity time before auto- logoff/screen lock user or administrator configurable? AUDIT CONTROLS (AUDT) The ability to reliably audit activity on the device.	Yes Yes	will hide screen information and lock session. Locked sessions can be terminated to give access to another user. Configurable to the following values 10 min	Section 5.1, ALOF Section 5.1, ALOF	AC-12 AC-11	None A.11.2.8, A.11.2.9 ISO 27002:2013
ALOF-2	The device's ability to prevent access and misuse by 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 inativity (e.g., auto-logoff, session lock, password protected screen saver)? Is the length of inactivity time before auto- logoff/screen lock user or administrator configurable? AUDIT CONTROLS (AUDT) The ability to reliably audit activity on the device. Can the medical device create additional audit logs or		will hide screen information and lock session. Locked sessions can be terminated to give access to another user. Configurable to the following values 10 min	Section 5.1, ALOF Section 5.1, ALOF IEC TR 80001-2-2:2012	AC-12 AC-11 NIST SP 800-53 Rev. 4	None A.11.2.8, A.11.2.9 ISO 27002:2013 A.5.1.1, A.5.1.2, A.6.1.1,
ALOF-2	The device's ability to prevent access and misuse by 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-loggf, sesion lock, password protected screen saver)? Is the length of inactivity time before auto- logoff/screen lock user or administrator configurable? AUDIT CONTROLS (AUDT) The ability to reliably audit activity on the device. Can the medical device create additional audit logs or reports beyond standard operating system logs?	Yes	will hide screen information and lock session. Locked sessions can be terminated to give access to another user. Configurable to the following values 10 min	Section 5.1, ALOF Section 5.1, ALOF	AC-12 AC-11	None A.11.2.8, A.11.2.9 ISO 27002:2013
ALOF-2	The device's ability to prevent access and misuse by 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 protected screen saver)? Is the length of inactivity time before auto- logoff/screen lock user or administrator configurable? AUDIT CONTROLS (AUDT) The ability to reliably audit activity on the device. Can the medical device create additional audit logs or poes the audit log record a USER ID?		will hide screen information and lock session. Locked sessions can be terminated to give access to another user. Configurable to the following values 10 min (default), 20 min, 30min or never	Section 5.1, ALOF Section 5.1, ALOF IEC TR 80001-2-2:2012	AC-12 AC-11 NIST SP 800-53 Rev. 4	None A.11.2.8, A.11.2.9 ISO 27002:2013 A.5.1.1, A.5.1.2, A.6.1.1,
ALOF-2 AUDT-1 AUDT-1.1	The device's ability to prevent access and misuse by 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 protected screen saver)? Is the length of inactivity time before auto- logoff/screen lock user or administrator configurable? AUDIT CONTROLS (AUDT) The ability to reliably audit activity on the device. Can the medical device create additional audit logs or reports beyond standard operating system logs? Does the audit log record a USER ID? Does other personally identifiable information exist in	Yes Yes	will hide screen information and lock session. Locked sessions can be terminated to give access to another user. Configurable to the following values 10 min (default), 20 min, 30min or never	Section 5.1, ALOF Section 5.1, ALOF IEC TR 80001-2-2:2012 Section 5.2, AUDT	AC-12 AC-11 NIST SP 800-53 Rev. 4 AU-1	None A.11.2.8, A.11.2.9 ISO 27002:2013 A.5.1.1, A.5.1.2, A.6.1.1, A.12.1.1, A.18.1.1, A.18.2.2
ALOF-2	The device's ability to prevent access and misuse by 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 protected screen saver)? Is the length of inactivity time before auto- logoff/screen lock user or administrator configurable? AUDIT CONTROLS (AUDT) The ability to reliably audit activity on the device. Can the medical device create additional audit logs or poes the audit log record a USER ID?	Yes	will hide screen information and lock session. Locked sessions can be terminated to give access to another user. Configurable to the following values 10 min (default), 20 min, 30min or never (default), 20 min, 30min or never 	Section 5.1, ALOF Section 5.1, ALOF IEC TR 80001-2-2:2012	AC-12 AC-11 NIST SP 800-53 Rev. 4	None A.11.2.8, A.11.2.9 ISO 27002:2013 A.5.1.1, A.5.1.2, A.6.1.1,
ALOF-2 AUDT-1 AUDT-1.1	The device's ability to prevent access and misuse by 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 protected screen saver)? Is the length of inactivity time before auto- logoff/screen lock user or administrator configurable? AUDIT CONTROLS (AUDT) The ability to reliably audit activity on the device. Can the medical device create additional audit logs or reports beyond standard operating system logs? Does the audit log record a USER ID? Does other personally identifiable information exist in the audit trail?	Yes Yes	will hide screen information and lock session. Locked sessions can be terminated to give access to another user. Configurable to the following values 10 min (default), 20 min, 30min or never	Section 5.1, ALOF Section 5.1, ALOF IEC TR 80001-2-2:2012 Section 5.2, AUDT	AC-12 AC-11 NIST SP 800-53 Rev. 4 AU-1	None A.11.2.8, A.11.2.9 ISO 27002:2013 A.5.1.1, A.5.1.2, A.6.1.1, A.12.1.1, A.18.1.1, A.18.2.2
ALOF-2 AUDT-1 AUDT-1.1	The device's ability to prevent access and misuse by 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 protected screen saver)? Is the length of inactivity time before auto- logoff/screen lock user or administrator configurable? AUDIT CONTROLS (AUDT) The ability to reliably audit activity on the device. Can the medical device create additional audit logs or reports beyond standard operating system logs? Does the audit log record a USER ID? Does other personally identifiable information exist in the audit trail? Are events recorded in an audit log? If yes, indicate	Yes Yes	will hide screen information and lock session. Locked sessions can be terminated to give access to another user. Configurable to the following values 10 min (default), 20 min, 30min or never	Section 5.1, ALOF Section 5.1, ALOF IEC TR 80001-2-2:2012 Section 5.2, AUDT	AC-12 AC-11 NIST SP 800-53 Rev. 4 AU-1	None A.11.2.8, A.11.2.9 ISO 27002:2013 A.5.1.1, A.5.1.2, A.6.1.1, A.12.1.1, A.18.1.1, A.18.2.2
ALOF-2 AUDT-1 AUDT-1.1 AUDT-1.2	The device's ability to prevent access and misuse by 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-loggff, session lock, password protected screen saver)? Is the length of inactivity time before auto- logoff/screen lock user or administrator configurable? AUDIT CONTROLS (AUDT) The ability to reliably audit activity on the device. Can the medical device create additional audit logs or reports beyond standard operating system logs? Does the audit log record a USER ID? Does other personally identifiable information exist in the audit trail? Are events recorded in an audit log? If yes, indicate which of the following events are recorded in the	Yes Yes No	will hide screen information and lock session. Locked sessions can be terminated to give access to another user. Configurable to the following values 10 min (default), 20 min, 30min or never (default), 20 min, 30min or never Audit logs are compliant to DICOM Specific Audit Messages Audit logs are compliant to DICOM Specific Audit Messages Actor-start-stop, Beglin-storing-instances, Instances- deleted PHI-export, PHI-import, Study Deleted, Study used, User Authentication Login and User	Section 5.1, ALOF Section 5.1, ALOF IEC TR 80001-2-2:2012 Section 5.2, AUDT Section 5.2, AUDT	AC-12 AC-11 NIST SP 800-53 Rev. 4 AU-1 AU-2	None A.11.2.8, A.11.2.9 ISO 27002:2013 A.5.1.1, A.5.1.2, A.6.1.1, A.12.1.1, A.18.1.1, A.18.2.2 None
ALOF-2 AUDT-1 AUDT-1.1 AUDT-1.2 AUDT-2	The device's ability to prevent access and misuse by 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 inativity (e.g., auto-logoff, session lock, password protected screen saver)? Is the length of inactivity time before auto- logoff/screen lock user or administrator configurable? AUDIT CONTROLS (AUDT) The ability to reliably audit activity on the device. Can the medical device create additional audit logs or reports beyond standard operating system logs? Does the audit to grecord a USER ID? Does other personally identifiable information exist in the audit trail? Are events recorded in an audit log? If yes, indicate which of the following events are recorded in the audit log:	Yes Yes Yes Yes	will hide screen information and lock session. Locked sessions can be terminated to give access to another user. Configurable to the following values 10 min (default), 20 min, 30min or never	Section 5.1, ALOF Section 5.1, ALOF IEC TR 80001-2-2:2012 Section 5.2, AUDT Section 5.2, AUDT	AC-12 AC-11 NIST SP 800-53 Rev. 4 AU-1 AU-2 AU-2	None A.11.2.8, A.11.2.9 ISO 27002:2013 A.5.1.1, A.5.1.2, A.6.1.1, A.12.1.1, A.18.1.1, A.18.2.2 None None
ALOF-2 AUDT-1 AUDT-1.1 AUDT-1.2	The device's ability to prevent access and misuse by 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-loggff, session lock, password protected screen saver)? Is the length of inactivity time before auto- logoff/screen lock user or administrator configurable? AUDIT CONTROLS (AUDT) The ability to reliably audit activity on the device. Can the medical device create additional audit logs or reports beyond standard operating system logs? Does the audit log record a USER ID? Does other personally identifiable information exist in the audit trail? Are events recorded in an audit log? If yes, indicate which of the following events are recorded in the	Yes Yes No	will hide screen information and lock session. Locked sessions can be terminated to give access to another user. Configurable to the following values 10 min (default), 20 min, 30min or never (default), 20 min, 30min or never Audit logs are compliant to DICOM Specific Audit Messages Audit logs are compliant to DICOM Specific Audit Messages Actor-start-stop, Beglin-storing-instances, Instances- deleted PHI-export, PHI-import, Study Deleted, Study used, User Authentication Login and User	Section 5.1, ALOF Section 5.1, ALOF IEC TR 80001-2-2:2012 Section 5.2, AUDT Section 5.2, AUDT	AC-12 AC-11 NIST SP 800-53 Rev. 4 AU-1 AU-2	None A.11.2.8, A.11.2.9 ISO 27002:2013 A.5.1.1, A.5.1.2, A.6.1.1, A.12.1.1, A.18.1.1, A.18.2.2 None

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AUDT 2.4						
AUDT-2.4	Creation/modification/deletion of users?	N/A	_	Section 5.2, AUDT	AU-2	None
AUDT-2.5	Presentation of clinical or PII data (e.g. display, print)?			Section 5.2, AUDT	AU-2	None
AUDT-2.6	Creation/modification/deletion of data?	Yes		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)?	Yes		Section 5.2, AUDT	AU-2	None
	Receipt/transmission of data or commands over a					
AUDT-2.8	network or point-to-point connection?	Yes	_	 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	Nie			411.2	Maria
AUDT-2.8.2	activity?	No Yes	_	 Section 5.2, AUDT	AU-2 AU-2	None
AUDT-2.9	Emergency access?	No	_	 Section 5.2, AUDT	AU-2 AU-2	
AUDT-2.10	Other events (e.g., software updates)?	NO	_	 Section 5.2, AUDT Section 5.2, AUDT	AU-2 AU-2	None
AUDT-2.11	Is the audit capability documented in more detail? Can the owner/operator define or select which events	NO		 Section 5.2, AUDT	AU-2	None
AUDT-3	are recorded in the audit log?	No		Section 5.2, AUDT	AU-2	None
AUDI-3	Is a list of data attributes that are captured in the	NO		3ection 3.2, A0D1	A0-2	None
AUDT-4	audit log for an event available?	No		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
A001 4.1	Can date and time be synchronized by Network Time		—	50001 512,71001	7.0 2	Hone
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?	No				
AUDT-7	Are audit logs protected from modification?	Yes		Section 5.2, AUDT	AU-2	None
AUDT-7.1	Are audit logs protected from access?	Yes				
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 users					
AUTH-1	through user login requirements or other mechanism?	Yes	_	Section 5.3, AUTH	IA-2	A.9.2.1
AUTH-1	through user login requirements or other mechanism? Can the device be configured to use federated	Yes		 Section 5.3, AUTH	IA-2	A.9.2.1
	through user login requirements or other mechanism? Can the device be configured to use federated credentials management of users for authorization	Yes				
AUTH-1 AUTH-1.1	through user login requirements or other mechanism? Can the device be configured to use federated credentials management of users for authorization (e.g., LDAP, OAuth)?	Yes No		 Section 5.3, AUTH Section 5.3, AUTH	IA-2 IA-2	A.9.2.1 A.9.2.1
AUTH-1.1	through user login requirements or other mechanism? Can the device be configured to use federated credentials management of users for authorization (e.g., LOAP, OAuth)? Can the customer push group policies to the device	Yes No		 Section 5.3, AUTH	IA-2	A.9.2.1
	through user login requirements or other mechanism? Can the device be configured to use federated credentials management of users for authorization (e.g., LDAP, OAUth)? Can the customer push group policies to the device (e.g., Active Directory)?	Yes No No				
AUTH-1.1 AUTH-1.2	through user login requirements or other mechanism? Can the device be configured to use federated credentials management of users for authorization (e.g., LDAP, OAuth)? Can the customer push group policies to the device (e.g., Active Directory)? Are any special groups, organizational units, or group	No		 Section 5.3, AUTH Section 5.3, AUTH	IA-2 IA-2	A.9.2.1 A.9.2.1
AUTH-1.1	through user login requirements or other mechanism? Can the device be configured to use federated credentials management of users for authorization (e.g., LDAP, OAUth)? Can the customer push group policies to the device (e.g., Active Directory)?	Yes No No		 Section 5.3, AUTH	IA-2	A.9.2.1
AUTH-1.1 AUTH-1.2	through user login requirements or other mechanism? Can the device be configured to use federated credentials management of users for authorization (e.g., LDAP, OAUth)? Can the customer push group policies to the device (e.g., Active Directory)? Are any special groups, organizational units, or group policies required?	No		 Section 5.3, AUTH Section 5.3, AUTH	IA-2 IA-2	A.9.2.1 A.9.2.1
AUTH-1.1 AUTH-1.2	through user login requirements or other mechanism? Can the device be configured to use federated credentials management of users for authorization (e.g., LDAP, OAuth)? Can the customer push group policies to the device (e.g., Attwo Directory)? Are any special groups, organizational units, or group policies required? Can users be assigned different privilege levels based	No		 Section 5.3, AUTH Section 5.3, AUTH	IA-2 IA-2	A.9.2.1 A.9.2.1
AUTH-1.1 AUTH-1.2	through user login requirements or other mechanism? Can the device be configured to use federated credentials management of users for authorization (e.g., LDAP, OAUth)? Can the customer push group policies to the device (e.g., Active Directory)? Are any special groups, organizational units, or group policies required?	No	acquire images , Sonographer create, review, delete,	 Section 5.3, AUTH Section 5.3, AUTH	IA-2 IA-2	A.9.2.1 A.9.2.1
AUTH-1.1 AUTH-1.2 AUTH-1.3	through user login requirements or other mechanism? Can the device be configured to use federated credentials management of users for authorization (e.g., LDAP, OAuth)? Can the customer push group policies to the device (e.g., Active Directory)? Are any special groups, organizational units, or group policies required? Can users be assigned different privilege levels based on 'role' (e.g., user, administrator, and/or service,	No	acquire images, Sonographer create, review, delete, export exams and admin can configure the device in	 Section 5.3, AUTH Section 5.3, AUTH Section 5.3, AUTH	IA-2 IA-2 IA-2	A.9.2.1 A.9.2.1 A.9.2.1
AUTH-1.1 AUTH-1.2 AUTH-1.3	through user login requirements or other mechanism? Can the device be configured to use federated credentials management of users for authorization (e.g., LDAP, OAuth)? Can the customer push group policies to the device (e.g., Active Directory)? Are any special groups, organizational units, or group policies required? Can users be assigned different privilege levels based on 'role' (e.g., user, administrator, and/or service, etc.)?	No	acquire images, Sonographer create, review, delete, export exams and admin can configure the device in	Section 5.3, AUTH Section 5.3, AUTH Section 5.3, AUTH	IA-2 IA-2 IA-2	A.9.2.1 A.9.2.1 A.9.2.1
AUTH-1.1 AUTH-1.2 AUTH-1.3	through user login requirements or other mechanism? Can the device be configured to use federated credentials management of users for authorization (e.g., LDAP, OAuth)? Can the customer push group policies to the device (e.g., ALWe Directory)? Are any special groups, organizational units, or group policies required? Can users be assigned different privilege levels based on 'role' (e.g., cuser, administrator, and/or service, etc.)? Can the device owner/operator grant themselves	No	acquire images, Sonographer create, review, delete, export exams and admin can configure the device in	Section 5.3, AUTH Section 5.3, AUTH Section 5.3, AUTH	IA-2 IA-2 IA-2	A.9.2.1 A.9.2.1 A.9.2.1
AUTH-1.1 AUTH-1.2 AUTH-1.3	through user login requirements or other mechanism? Can the device be configured to use federated credentials management of users for authorization (e.g., LDAP, OAuth)? Can the customer push group policies to the device (e.g., Active Directory)? Are any special groups, organizational units, or group policies required? Can users be assigned different privilege levels based on 'role' (e.g., user, administrator, and/or service, etc.)? Can the device owner/operator grant themselves unrestricted administrative privileges (e.g., access operating system or application via local root or administrator account)?	No	acquire images, Sonographer create, review, delete, export exams and admin can configure the device in	Section 5.3, AUTH Section 5.3, AUTH Section 5.3, AUTH	IA-2 IA-2 IA-2	A.9.2.1 A.9.2.1 A.9.2.1
AUTH-1.1 AUTH-1.2 AUTH-1.3 AUTH-2	through user login requirements or other mechanism? Can the device be configured to use federated credentials management of users for authorization (e.g., LDAP, OAUth)? Can the customer push group policies to the device (e.g., Active Directory)? Are any special groups, organizational units, or group policies required? Can users be assigned different privilege levels based on 'role' (e.g., user, administrator, and/or service, etc.)? Can the device owner/operator grant themselves unrestricted administrative privileges (e.g., access operating system or application via local root or	No	acquire images, Sonographer create, review, delete, export exams and admin can configure the device in	 Section 5.3, AUTH Section 5.3, AUTH Section 5.3, AUTH Section 5.3, AUTH Section 5.3, AUTH	IA-2 IA-2 IA-2 IA-2 IA-2	A.9.2.1 A.9.2.1 A.9.2.1 A.9.2.1 A.9.2.1
AUTH-1.1 AUTH-1.2 AUTH-1.3 AUTH-2	through user login requirements or other mechanism? Can the device be configured to use federated credentials management of users for authorization (e.g., LDAP, OAUth)? Can the customer push group policies to the device (e.g., Active Directory)? Are any special groups, organizational units, or group policies required? Can users be assigned different privilege levels based on 'role' (e.g., user, administrator, and/or service, etc.)? Can the device owner/operator grant themselves unrestricted administrative privileges (e.g., access operating system or application via local root or administrator account)? Does the device authorize or control all API access requests?	No	acquire images. Sonographer create, review, delete, export exams and admin can configure the device in addition to what a sonographer can do.	Section 5.3, AUTH Section 5.3, AUTH Section 5.3, AUTH Section 5.3, AUTH	IA-2 IA-2 IA-2 IA-2	A.9.2.1 A.9.2.1 A.9.2.1 A.9.2.1
AUTH-1.1 AUTH-1.2 AUTH-1.3 AUTH-2 AUTH-3 AUTH-4	through user login requirements or other mechanism? Can the device be configured to use federated credentials management of users for authorization (e.g., LDAP, OAuth)? Can the customer push group policies to the device (e.g., Active Directory)? Are any special groups, organizational units, or group policies required? Can users be assigned different privilege levels based on 'role' (e.g., cuser, administrator, and/or service, etc.)? Can the device owner/operator grant themselves unrestricted administrative privileges (e.g., access operating system or application via local root or administrator account)? Does the device runn in a restricted access mode, or	No	acquire images, Sonographer create, review, delete, export exams and admin can configure the device in	Section 5.3, AUTH Section 5.3, AUTH Section 5.3, AUTH Section 5.3, AUTH Section 5.3, AUTH	IA-2 IA-2 IA-2 IA-2 IA-2	A.9.2.1 A.9.2.1 A.9.2.1 A.9.2.1 A.9.2.1
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AUTH-1.1 AUTH-1.2 AUTH-1.3 AUTH-2 AUTH-3 AUTH-4	through user login requirements or other mechanism? Can the device be configured to use federated credentials management of users for authorization (e.g., LDAP, OAuth)? Can the customer push group policies to the device (e.g., Active Directory)? Are any special groups, organizational units, or group policies required? Can users be assigned different privilege levels based on 'role' (e.g., cuser, administrator, and/or service, etc.)? Can the device owner/operator grant themselves unrestricted administrative privileges (e.g., access operating system or application via local root or administrator account)? Does the device runn in a restricted access mode, or	No No Yes	acquire images , Sonographer create, review, delete, export exams and admin can configure the device in addition to what a sonographer can do.	Section 5.3, AUTH Section 5.3, AUTH Section 5.3, AUTH Section 5.3, AUTH	IA-2 IA-2 IA-2 IA-2 IA-2	A.9.2.1 A.9.2.1 A.9.2.1 A.9.2.1 A.9.2.1
AUTH-1.1 AUTH-1.2 AUTH-1.3 AUTH-2 AUTH-3 AUTH-4	through user login requirements or other mechanism? Can the device be configured to use federated credentials management of users for authorization (e.g., LDAP, OAuth)? Can the customer push group policies to the device (e.g., Active Directory)? Are any special groups, organizational units, or group policies required? Can users be assigned different privilege levels based on 'role' (e.g., cuser, administrator, and/or service, etc.)? Can the device owner/operator grant themselves unrestricted administrative privileges (e.g., access operating system or application via local root or administrator account)? Does the device runn in a restricted access mode, or	No No Yes	acquire images , Sonographer create, review, delete, export exams and admin can configure the device in addition to what a sonographer can do.	Section 5.3, AUTH Section 5.3, AUTH Section 5.3, AUTH Section 5.3, AUTH	IA-2 IA-2 IA-2 IA-2 IA-2	A.9.2.1 A.9.2.1 A.9.2.1 A.9.2.1 A.9.2.1
AUTH-1.1 AUTH-1.2 AUTH-1.3 AUTH-2 AUTH-3 AUTH-4	through user login requirements or other mechanism? Can the device be configured to use federated credentials management of users for authorization (e.g., LDAP, OAuth)? Can the customer push group policies to the device (e.g., Active Directory)? Are any special groups, organizational units, or group policies required? Can users be assigned different privilege levels based on 'role' (e.g., user, administrator, and/or service, etc.)? Can the device owner/operator grant themselves unrestricted administrative privileges (e.g., access operating system or application via local root or administrator account)? Does the device authorize or control all API access requests? Does the device run in a restricted access mode, or 'kiosk mode', by default?	No No Yes	acquire images , Sonographer create, review, delete, export exams and admin can configure the device in addition to what a sonographer can do.	Section 5.3, AUTH Section 5.3, AUTH Section 5.3, AUTH Section 5.3, AUTH Section 5.3, AUTH Section 5.3, AUTH	IA-2 IA-2 IA-2 IA-2 IA-2 IA-2	A.9.2.1 A.9.2.1 A.9.2.1 A.9.2.1 A.9.2.1 A.9.2.1
AUTH-1.1 AUTH-1.2 AUTH-1.3 AUTH-2 AUTH-3 AUTH-4	through user login requirements or other mechanism? Can the device be configured to use federated credentials management of users for authorization (e.g., LDAP, OAUth)? Can the customer push group policies to the device (e.g., Active Directory)? Are any special groups, organizational units, or group policies required? Can users be assigned different privilege levels based on 'role' (e.g., user, administrator, and/or service, etc.)? Can the device owner/operator grant themselves unrestricted administrative privileges (e.g., access operating system or application via local root or administrator account)? Does the device run in a restricted access mode, or 'kiosk mode', by default? CYBER SECURITY PRODUCT UPGRADES (CSUP)	No No Yes	acquire images , Sonographer create, review, delete, export exams and admin can configure the device in addition to what a sonographer can do.	Section 5.3, AUTH Section 5.3, AUTH Section 5.3, AUTH Section 5.3, AUTH	IA-2 IA-2 IA-2 IA-2 IA-2	A.9.2.1 A.9.2.1 A.9.2.1 A.9.2.1 A.9.2.1
AUTH-1.1 AUTH-1.2 AUTH-1.3 AUTH-2 AUTH-3 AUTH-4	through user login requirements or other mechanism? Can the device configured to use federated credentials management of users for authorization (e.g., LDAP, OAuth)? Can the customer push group policies to the device (e.g., Active Directory)? Are any special groups, organizational units, or group policies required? Can users be assigned different privilege levels based on 'role' (e.g., user, administrator, and/or service, etc.)? Can the device owner/operator grant themselves unrestricted administrative privileges (e.g., access operating system or application via local root or administrator account)? Does the device runhize or control all API access requests? Does the device runh in a restricted access mode, or 'kiosk mode', by default? CYBER SECURITY PRODUCT UPGRADES (CSUP) The ability of on-site service staff, remote service	No No Yes	acquire images , Sonographer create, review, delete, export exams and admin can configure the device in addition to what a sonographer can do.	Section 5.3, AUTH Section 5.3, AUTH Section 5.3, AUTH Section 5.3, AUTH Section 5.3, AUTH Section 5.3, AUTH	IA-2 IA-2 IA-2 IA-2 IA-2 IA-2	A.9.2.1 A.9.2.1 A.9.2.1 A.9.2.1 A.9.2.1 A.9.2.1
AUTH-1.1 AUTH-1.2 AUTH-1.3 AUTH-2 AUTH-3 AUTH-4	through user login requirements or other mechanism? Can the device be configured to use federated credentials management of users for authorization (e.g., LDAP, OAUth)? Can the customer push group policies to the device (e.g., Active Directory)? Are any special groups, organizational units, or group policies required? Can users be assigned different privilege levels based on 'role' (e.g., user, administrator, and/or service, etc.)? Can the device owner/operator grant themselves unrestricted administrative privileges (e.g., access operating system or application via local root or administrator account)? Does the device run in a restricted access mode, or 'kiosk mode', by default? CYBER SECURITY PRODUCT UPGRADES (CSUP)	No No Yes	acquire images , Sonographer create, review, delete, export exams and admin can configure the device in addition to what a sonographer can do.	Section 5.3, AUTH Section 5.3, AUTH Section 5.3, AUTH Section 5.3, AUTH Section 5.3, AUTH Section 5.3, AUTH	IA-2 IA-2 IA-2 IA-2 IA-2 IA-2	A.9.2.1 A.9.2.1 A.9.2.1 A.9.2.1 A.9.2.1 A.9.2.1

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	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					
	Does the device contain an Operating System? If yes,						
CSUP-2	complete 2.1-2.4.	Yes					
	Does the device documentation provide instructions						
	for owner/operator installation of patches or software						
CSUP-2.1	updates?	Yes	Remote update is described in User Guide	Y/N			
0001 212				.,			
	Does the device require vendor or vendor-authorized						
CSUP-2.2	service to install patches or software updates?	Yes		Y/N			
C30F-2.2	Does the device have the capability to receive remote		—	1718			
CSUP-2.3	installation of patches or software updates?	Yes	Configurable option	Y/N			
CJUF-2.J	Does the medical device manufacturer allow security		comparable option	./ 19	1	1	1
	updates from any third-party manufacturers (e.g.,						
			The Operating System is maintained by Unit -1-			1	
CSUD 2.4	Microsoft) to be installed without approval from the	No	The Operating System is maintained by Hologic	V/N			
CSUP-2.4	manufacturer?		SuperSonic Imagine	Y/N			
COUD 2	Does the device contain Drivers and Firmware? If yes,	Vee		V/N			
CSUP-3	complete 3.1-3.4.	Yes	—	Y/N			
	Does the device documentation provide instructions						
	for owner/operator installation of patches or software		Firmware and drivers are installed during software				
CSUP-3.1	updates?	No	updates or software re-installation	Y/N			
	Does the device require vendor or vendor-authorized						
CSUP-3.2	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?	Yes		Y/N			
	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	_	Y/N			
	Does the device contain Anti-Malware Software? If						
CSUP-4	yes, complete 4.1-4.4.	No		Y/N			
	Does the device documentation provide instructions						
	for owner/operator installation of patches or software						
CSUP-4.1	updates?	N/A		Y/N			
				,			
	Does the device require vendor or vendor-authorized						
CSUP-4.2	service to install patches or software updates?	N/A		Y/N			
	Does the device have the capability to receive remote			.,			
CSUP-4.3	installation of patches or software updates?	N/A		Y/N		1	
	Does the medical device manufacturer allow security			,			
	updates from any third-party manufacturers (e.g.,						
	Microsoft) to be installed without approval from the					1	
CSUP-4.4	manufacturer?	N/A				1	
CJUF-4.4	Does the device contain Non-Operating System				1	1	
	commercial off-the-shelf components? If yes,					1	
COUD F	commercial off-the-shelf components? If yes, complete 5.1-5.4.	Yes		Y/N			
CSUP-5			-	1/N			
	Does the device documentation provide instructions					1	
	for owner/operator installation of patches or software	Y	All the software components (OS, OTS) are updated			1	
CSUP-5.1	updates?	Yes	at once	Y/N			
	Does the device require vendor or vendor-authorized						
CSUP-5.2	service to install patches or software updates?	Yes	see above note	Y/N			
	Does the device have the capability to receive remote						
CSUP-5.3	installation of patches or software updates?	Yes	see above note	Y/N			
	Does the medical device manufacturer allow security					1	
	updates from any third-party manufacturers (e.g.,					1	
	Microsoft) to be installed without approval from the					1	
CSUP-5.4	manufacturer?	No		Y/N			
	Does the device contain other software components						
	(e.g., asset management software, license					1	
	management)? If yes, please provide details or					1	
CSUP-6	reference in notes and complete 6.1-6.4.	No	_	Y/N			
	Does the device documentation provide instructions						
	for owner/operator installation of patches or software						
CSUP-6.1	updates?	N/A				1	
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	Does the device require vendor or vendor-authorized						
CSUP-6.2	service to install patches or software updates?	N/A		Y/N			
	Does the device have the capability to receive remote						
CSUP-6.3	installation of patches or software updates?	N/A		Y/N			
	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?	N/A		Y/N			
	Does the manufacturer notify the customer when		Device can be configured to verify if new update are				
CSUP-7	updates are approved for installation? Does the device perform automatic installation of	Yes	available at startup. Software updates are applied upon administrator	Y/N			
CSUP-8	software updates?	No	approval.	Y/N			
	Does the manufacturer have an approved list of third-		No third party software can be installed on the				
CSUP-9	party software that can be installed on the device?	No	device	Y/N			
	Can the owner/operator install manufacturer- approved third-party software on the device						
CSUP-10	themselves?	No	_				
	Does the system have mechanism in place to prevent						
CSUP-10.1	installation of unapproved software?	Yes	_				
CSUP-11	Does the manufacturer have a process in place to assess device vulnerabilities and updates?	Yes		Y/N			
0.007-11	Does the manufacturer provide customers with		—				
CSUP-11.1	review and approval status of updates?	No		Y/N			
CSUP-11.2	Is there an update review cycle for the device?	Yes	At most every 2 months	Y/N			
				Security Addons			
				Audons			
	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.						
DIDT-1	Does the device provide an integral capability to de- identify personally identifiable information? Does the device support de-identification profiles that comply with the DICOM standard for de-	Yes	For Logs: Clear logs in system config For non DICOM export on USB/CD/DVD: - j-pge export of US images are anonymised (as soon as operator does not entre PHI in annotation) - screenshot of patient folder are not anonymised (patient name, DoB, Patient ID, accession# may be visible) - report are not anonymised (patient name, DoB, Patient ID, accession# may be visible) For printed images: no anonymisation (patient name, DoB, Patient ID, accession# are visible) For DICOM : Basic Profile, for US images being exported on DICOM Store and DICOM Media no anonymisation for - DICOM Print (patient name, DoB, Patient ID, accession# will be visible) - report are not anonymised (patient name, DoB, Patient ID, accession# may be visible) Device implement the DICOM version 2019a Basic		Section 5.6, DIDT	None	ISO 27038
DIDT-1.1	comply with the DICOM standard for de- identification?	Yes	Device implement the DICOM version 2019a Basic Profile for de-identification.		Section 5.6, DIDT	None	ISO 27038
	DATA BACKUP AND DISASTER RECOVERY (DTBK)				IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
	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						
	of personally identifiable information / patient						
DTBK-1	information (e.g. PACS)?	No					
	Does the device have a "factory reset" function to						
DTBK-2	restore the original device settings as provided by the manufacturer?	Yes			Section 5.7, DTBK	CP-9	A.12.3.1
010172	manaracturer:	100	—		Section 3.7, DTBK	0.73	n.12.3.1

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	Does the device have an integral data backup					
DTBK-3	capability to removable media?	Yes	_	Section 5.7, DTBK	CP-9	A.12.3.1
	Does the device have an integral data backup					
DTBK-4	capability to remote storage?	No				
	Does the device have a backup capability for system					
	configuration information, patch restoration, and	N	Contain an firmetian and he haded on			
DTBK-5	software restoration?	Yes	System configuration can be backed up			
DTBK-6	Does the device provide the capability to check the integrity and authenticity of a backup?	Yes		Section 5.7, DTBK	CP-9	A.12.3.1
DIBK-0	Integrity and autienticity of a backup:			Section 5.7, DTBK	CF-5	A.12.3.1
	EMERGENCY ACCESS (EMRG)			IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
	The ability of the device user to access personally			ILC IN 80001-2-2.2012	NIST SF 800-55 Nev. 4	130 27002.2013
	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.					
EMRG-1	"break-glass") feature?	Yes		Section 5.8, EMRG	SI-17	None
	HEALTH DATA INTEGRITY AND AUTHENTICITY					
	(IGAU)			IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
	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					
	mechanisms of stored health data (e.g., hash or digital					
IGAU-1	signature)?	Yes	The mechanisms are provided by the OS	Section 5.9, IGAU	SC-28	A.18.1.3
	Does the device provide error/failure protection and					
	recovery mechanisms for stored health data (e.g.,					
IGAU-2	RAID-5)?	Yes	The mechanisms are provided by the OS	Section 5.9, IGAU	SC-28	A.18.1.3
	MALWARE DETECTION/PROTECTION (MLDP)			IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
	The ability of the device to effectively prevent, detect					
	and remove malicious software (malware).		User has no access to underlying OS, MAC prevent			
14004	Is the device capable of hosting executable software?	No	installation of software and partitions are mounted	Section 5.10, MLDP		
MLDP-1	Is the device capable of hosting executable software?	NO	in noexec Malicious code protection mechanisms by:	Section 5.10, MLDP		
			- Use of secure Open-source operating system			
			 Pervasive configuration management and 			
			comprehensive software integrity controls are used			
			to prevent execution of unauthorized code			
			 secure coding practices, configuration 			
			management and control, trusted procurement			
	Does the device support the use of anti-malware		processes, and monitoring practices to help ensure			
	software (or other anti-malware mechanism)? Provide		that software does not perform functions other than			
MLDP-2	details or reference in notes.	Yes	the functions intended	Section 5.10, MLDP	SI-3	A.12.2.1
	Does the device include anti-malware software by					A.9.2.3, A.9.4.5, A.12.1.2,
MLDP-2.1	default?	No	_	Section 5.10, MLDP	CM-5	A.12.1.4, A.12.5.1
	Does the device have anti-malware software available					
MLDP-2.2	as an option?	No	_	Section 5.10, MLDP	AU-6	A.12.4.1, A.16.1.2, A.16.1.4
	Does the device documentation allow the					
	owner/operator to install or update anti-malware	Ne		Contine 5 40 MUD2	69.40	
MLDP-2.3	software? Can the device owner/operator independently (re-	No		 Section 5.10, MLDP	CP-10	A.17.1.2
	Can the device owner/operator independently (re-)configure anti-malware settings?	No		Section 5.10, MLDP	AU-2	Nono
MLDP-2.4	Does notification of malware detection occur in the		—	Section 5.10, WLDP	AU-2	None
MLDP-2.5	device user interface?	N/A				
WEDI -2.J	Can only manufacturer-authorized persons repair	1/2				
MLDP-2.6	systems when malware has been detected?	Yes				
MLDP-2.7	Are malware notifications written to a log?	N/A				
	Are there any restrictions on anti-malware (e.g.,				1	-
MLDP-2.8	purchase, installation, configuration, scheduling)?	Yes				

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			Device has been designed to not execute any data imported on the system. only Signed software components can be installed on system. Hologic SuperSonic Imagine recommends the			
			following cyber Hygiene practices: Ensure that your equipment is in a physically protected and actively monitored area; Ensure that only secure/sanitized USB storage			
			devices are utilized; Ensure that your equipment is protected against network access by unsupervised systems (typically provided by mechanisms such as firewalls			
	If the answer to MLDP-2 is NO, and anti-malware cannot be installed on the device, are other		and VPNs); and Ensure your data has been backed up and stored			A.12.6.1, A.14.2.2, A.14.2.3,
MLDP-3	compensating controls in place or available? Does the device employ application whitelisting that	Yes	according to your institution policy.	Section 5.10, MLDP	SI-2	A.16.1.3
MLDP-4	restricts the software and services that are permitted to be run on the device?	No	_	Section 5.10, MLDP	SI-3	A.12.2.1
MLDP-5	Does the device employ a host-based intrusion detection/prevention system?	No	_	Section 5.10, MLDP	SI-4	None
MLDP-5.1	Can the host-based intrusion detection/prevention system be configured by the customer?	N/A	_	 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?	No	_	 Section 5.10, MLDP		
	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 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					
NAUT-1	authorized to receive transferred information (e.g. Web APIs, SMTP, SNMP)?	Yes	DICOM TLS	Section 5.11, NAUT	SC-23	None
NAUT-2	Are network access control mechanisms supported (E.g., does the device have an internal firewall, or use a network connection white list)?	Νο	reduced number of services available	Section 5.11, NAUT	SC-7	A.13.1.1, A.13.1.3, A.13.2.1,A.14.1.3
NAUT-2.1	Is the firewall ruleset documented and available for review?	N/A				
NAUT-3	Does the device use certificate-based network connection authentication?	Yes	DICOM TLS			
	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.					
CONN 4	Does the device have hardware connectivity					
CONN-1 CONN-1.1	capabilities? Does the device support wireless connections?	Yes Yes				
CONN-1.1.1	Does the device support Wi-Fi?	Yes	_			
CONN-1.1.2	Does the device support Bluetooth? 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	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 CONN-1.2.2	Does the device have available RJ45 Ethernet ports? Does the device have available USB ports?	Yes Yes	—			
CONN-1.2.2	Does the device have available OSB ports: Does the device require, use, or support removable memory devices?	Yes				
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 the		The supported network protocols are: DICOM, DHCP, NTP. HTTPS protocol may be enabled for remote			
CONN-2	device? Can the device communicate with other systems	Yes	maintenance. The device may be connected to a PACS, to a			
CONN-3	within the customer environment?	Yes	Modality Worklist, to a printer.			

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	Can the device communicate with other systems					
	external to the customer environment (e.g., a service		.			
CONN-4	host)?	Yes No	The device may be remotely serviceable			
CONN-5	Does the device make or receive API calls? Does the device require an internet connection for its	NO	_			
CONN-6	intended use?	No				
	Does the device support Transport Layer Security		-			
CONN-7	(TLS)?	Yes	for DICOM connection			
CONN-7.1	Is TLS configurable?	Yes	see DICOM Conformance statement and User Guide			
	Does the device provide operator control functionality					
CONN-8	from a separate device (e.g., telemedicine)?	No				
			_			
	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		A accounts quictor amorganes, accounts approaches			
PAUT-1	passwords for all users and roles (including service accounts)?	Yes	4 accounts exists: emergency access, sonographer, admin and service	Section 5.12, PAUT	IA-2	A.9.2.1
PAULI	Does the device enforce authentication of unique IDs			Section 5.12, 1 A01	16.2	6.5.2.1
	and passwords for all users and roles (including					
PAUT-1.1	service accounts)?	No		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.)?	No	—	Section 5.12, PAUT	IA-5	A.9.2.1
PAUT-3	Is the device configurable to lock out a user after a certain number of unsuccessful logon attempts?	No		Section 5.12, PAUT	IA-2	A.9.2.1
1701-5	Are all default accounts (e.g., technician service			5000015122,17101	0.12	7131212
	accounts, administrator accounts) listed in the					A.14.1.1, A.14.2.7, A.14.2.9,
PAUT-4	documentation?	Yes		Section 5.12, PAUT	SA-4(5)	A.15.1.2
PAUT-5	Can all passwords be changed?	Yes	_	Section 5.12, PAUT		
	Is the device configurable to enforce creation of user account passwords that meet established					
PAUT-6	(organization specific) complexity rules?	No		Section 5.12, PAUT	IA-2	A.9.2.1
17010	Does the device support account passwords that			5000015122,17101	0.12	, installer
PAUT-7	expire periodically?	No				
PAUT-8	Does the device support multi-factor authentication?	No				
PAUT-9	Does the device support single sign-on (SSO)?	No		Section 5.12, PAUT	IA-2	A.9.2.1
PAUT-10	Can user accounts be disabled/locked on the device?	No		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 access)?	N.				
PAUT-12	Does the device support group authentication (e.g.	NO	_			
PAUT-13	hospital teams)?	No				
	Does the application or device store or manage					
PAUT-14	authentication credentials?	Yes				
			Person authentication is achieved through the Linux			
DALIT 14.1	Are evolutions stored using a secure method?	Yes	Pluggable Authentication Module (PAM) is a			
PAUT-14.1	Are credentials stored using a secure method?	Yes	mechanism			
	PHYSICAL LOCKS (PLOK)			IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
	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.	No		Section 5.13, PLOK	PE- 3(4)	A.11.1.1, A.11.1.2, A.11.1.3
I LON-1	Are all device components maintaining personally		_	Section 5.15, 1 LOK	12.3(4)	······································
	identifiable information (other than removable					
	media) physically secure (i.e., cannot remove without					
PLOK-2	tools)?	Yes	_	Section 5.13, PLOK	PE- 3(4)	A.11.1.1, A.11.1.2, A.11.1.3
	Are all device components maintaining personally					
	identifiable information (other than removable					
PLOK-3	media) physically secured behind an individually keyed locking device?	No	disks maintaining e-PHI are crypted	Section 5.13, PLOK	PE- 3(4)	A.11.1.1, A.11.1.2, A.11.1.3
. 204.9	nerea locking device:		along maintaining er mate crypted	Section 5.13, FLOK	1 - 3(4)	·······

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	Does the device have an option for the customer to						
	attach a physical lock to restrict access to removable						
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)				IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
	Manufacturer's plans for security support of third-						
	party components within the device's life cycle.						
	Was a secure software development process, such as						
	ISO/IEC 27034 or IEC 62304, followed during product						
RDMP-1	development?	Yes	IEC 62304		Section 5.14, RDMP	CM-2	None
10111 1	Does the manufacturer evaluate third-party						
	applications and software components included in the						
RDMP-2	device for secure development practices?	Yes			Section 5.14, RDMP	CM-8	A.8.1.1, A.8.1.2
NDIVIT-2	Does the manufacturer maintain a web page or other				Section 5.14, NDMI	Civito	A.0.1.1, A.0.1.2
	source of information on software support dates and		If remote service is enabled user can be notified				
RDMP-3	updates?	No	when an update is available		Section 5.14, RDMP	CM-8	A.8.1.1, A.8.1.2
KDIVIF-5	upuates:		At most every 2 months a service pack will be		Section 5.14, (EDM)	civi b	A.0.1.1, A.0.1.2
			released incorporating security patch when				
			necessary, and every year a major release with an				
	Does the manufacturer have a plan for managing third		updated version of the OS and 3rd party				
RDMP-4	party component end-of-life?	Yes	components will be released.		Section 5.14, RDMP	CM-8	A.8.1.1, A.8.1.2
RDIMP-4	party component end-of-mer	res	components will be released.		Section 5.14, RDIVIP	CIVI-8	A.o.1.1, A.o.1.2
	SOFTWARE BILL OF MATERIALS (SBoM)				IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
	A Software Bill of Material (SBoM) lists all the						
	software components that are incorporated into the						
	device being described for the purpose of operational						
	security planning by the healthcare delivery						
	organization. This section supports controls in the						
	RDMP section.						
SBOM-1	Is the SBoM for this product available?	Yes					
	Does the SBoM follow a standard or common method						
SBOM-2	in describing software components?	No					
SBOM-2.1	Are the software components identified?	Yes					
	Are the developers/manufacturers of the software						
SBOM-2.2	components identified?	No					
	Are the major version numbers of the software						
SBOM-2.3	components identified?	Yes					
SBOM-2.4	Are any additional descriptive elements identified?	No					
	Does the device include a command or process						
	method available to generate a list of software						
SBOM-3	components installed on the device?	No	_				
SBOM-4	Is there an update process for the SBoM?	No					
	SYSTEM AND APPLICATION HARDENING (SAHD)				IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
	The device's inherent resistance to cyber attacks and						
	malware.					CM-7	A.12.5.1*
			The folowing compensation are implemented to	-		0.117	111461414
			harden system				
			- Single-function system: US				
			- Address space layout randomization (ASLR)				
			- Protected database link (only local access				
			enabled, password protection)Unused services				
			disabled				
			Remote loging service disabled				
			- Use of Mandatory Access Control (MAC)				
	to the desider bands and to according to 100		mecanism				
	Is the device hardened in accordance with any		- Least privilege principle				A.6.2.1, A.6.2.2, A.13.1.1,
SAHD-1	industry standards?	Yes	- Least functionality principle		Section 5.15, SAHD	AC-17(2)/IA-3	A.13.2.1, A.14.1.2/None
	Has the device received any cybersecurity	N			Contras E de Contra	64 49(19)	A.14.2.7, A.15.1.1, A.15.1.2,
SAHD-2	certifications?	No	—		Section 5.15, SAHD	SA-12(10)	A.15.1.3
	Does the device employ any mechanisms for software						
SAHD-3	integrity checking	No				1	I

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			All the software included in the medical device are				
			provided by a trusted source provider (GNU/Linux				
			Debian). The Debian packages that are included on				
	Does the device employ any mechanism (e.g., release-		the medical devices are digitally signed by Hologic				
	specific hash key, checksums, digital signature, etc.) to		SuperSonic Imagine.				
	ensure the installed software is manufacturer-		Debian package is a tamper-evident packaging				
SAHD-3.1	authorized?	Yes	format.				
			All the software included in the medical device are				
			provided by a trusted source provider (GNU/Linux				
			Debian). The Debian packages that are included on				
	Does the device employ any mechanism (e.g., release-		the medical devices are digitally signed by Hologic				
	specific hash key, checksums, digital signature, etc.) to		SuperSonic Imagine.				
	ensure the software updates are the manufacturer-		Debian package is a tamper-evident packaging				
SAHD-3.2	authorized updates?	Yes	format.		Section 5.15, SAHD	CM-8	A.8.1.1, A.8.1.2
	Can the owner/operator perform software integrity						A.6.2.2, A.9.1.2, A.9.4.1,
	checks (i.e., verify that the system has not been						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	No			Section E 15 CAUD	CM-7	A 13 F 1*
SAHD-5	types of access controls?	No	Emergency access can only acquire images		Section 5.15, SAHD	CIVI-7	A.12.5.1*
			Sonographer role can acquire images, manage				
			exams, export exams, and change non-security	1	1		
			settings				
			admin roles can do all the above plus change				
SAHD-5.1	Does the device provide role-based access controls?	Yes	security settings.		Section 5.15, SAHD	CM-7	A.12.5.1*
	Are any system or user accounts restricted or disabled		,				
SAHD-6	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?	No	Only password can be changed		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						
SAHD-7	disabled?	Yes	_		Section 5.15, SAHD	CM-7	A.12.5.1*
	Are all communication ports and protocols that are						
	not required for the intended use of the device						
SAHD-8	disabled?	Yes	-		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?	Yes			Section 5.15, SAHD	CM-6	None
SALID-5	Are all applications (COTS applications as well as OS-		_		Section 5.15, SAID	CIVI-0	None
	included applications, e.g., MS Internet Explorer, etc.)		A minimal version of the OS is installed on the				
	which are not required for the intended use of the		device. No remote logging, no web browser or mail				A.12.6.1, A.14.2.2, A.14.2.3,
SAHD-10	device deleted/disabled?	Yes	user agent are installed		Section 5.15, SAHD	SI-2	A.16.1.3
	Can the device prohibit boot from uncontrolled or						
	removable media (i.e., a source other than an internal						
SAHD-11	drive or memory component)?	Yes	Disabled in the BIOS				
	Can unauthorized software or hardware be installed						
SAHD-12	on the device without the use of physical tools?	No					
	Does the product documentation include information						
SAHD-13		No					
	Can the device be hardened beyond the default						
SAHD-14	provided state?	Yes	_				
	Are instructions available from vendor for increased			1	1		
SAHD-14.1	hardening?	Yes	see User Guide				
SUAD 15	Can the system prevent access to BIOS or other	No					
SHAD-15	bootloaders during boot? Have additional hardening methods not included in						
SAHD-16		No		1	1		
JHID 10	2.5.15 been used to harden the device:		_				
	1				1		
	SECURITY GUIDANCE (SGUD)				IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
					ILC IN 80001-2-2:2012	14131 3F 000-35 KeV. 4	130 27002:2013
	Availability of security guidance for operator and administrator of the device and manufacturer sales			1	1		
	administrator of the device and manufacturer sales and service.						
	Does the device include security documentation for				1		
SGUD-1	the owner/operator?	Yes	Security information are included in the User Guide		Section 5.16, SGUD	AT-2/PL-2	A.7.2.2, A.12.2.1/A.14.1.1
5555 I	and owner/operator:		secondy information are included in the user Guide		Jeenon 3.10, 300D	n1 2/FL-2	,,, m.12.2.1/M.14.1.1

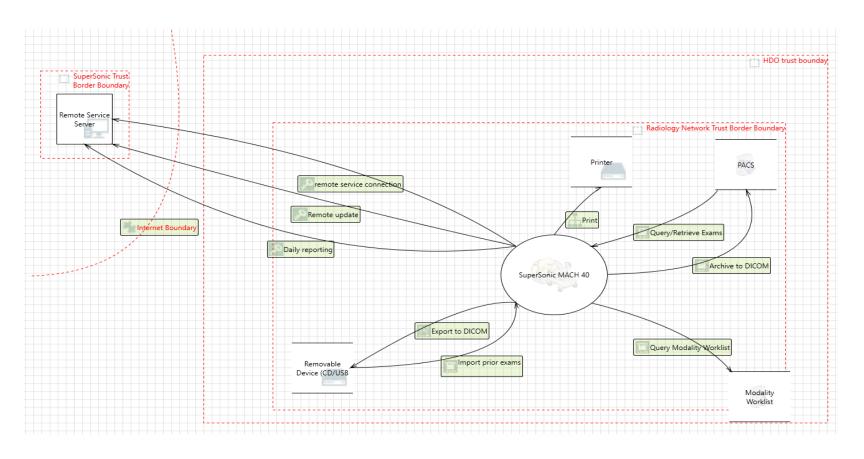
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	Deep the device have the conchility, and provide						
	Does the device have the capability, and provide instructions, for the permanent deletion of data from		Permanent deletion of data require storage device				A.8.2.3, A.8.3.1, A.8.3.2,
SGUD-2	the device or media?	No	destruction.		Section 5.16, SGUD	MP-6	A.11.2.7
							A.9.1.2, A.9.2.3, A.9.4.4,
SGUD-3	Are all access accounts documented?	Yes			Section 5.16, SGUD	AC-6,IA-2	A.9.4.5/A.9.2.1
SGUD-3.1	Can the owner/operator manage password control for all accounts?	Yes	each user can change his own password, but admin can change all passwords				
5665-5.1							
	Does the product include documentation on						
SGUD-4	recommended compensating controls for the device?	Yes		-			
	HEALTH DATA STORAGE CONFIDENTIALITY (STCF)				IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
	The ability of the device to ensure unauthorized						
	access does not compromise the integrity and confidentiality of personally identifiable information						
	stored on the device or removable media.						
			e-PHI contained in database, DICOM objects, native				
STCF-1	Can the device encrypt data at rest?	Yes	archives and logs are stored on an encrypted partition using TPM1.2		Section 5.17, STCF	SC-28	A.8.2.3
STCF-1 STCF-1.1	Is all data encrypted or otherwise protected?	Yes		1	Section 5.17, STCF	36-28	H.6.2.3
	Is the data encryption capability configured by						
STCF-1.2	default?	Yes	Encryption can't be disabled				
STCF-1.3	Are instructions available to the customer to configure encryption?	No	Encryption can't be disabled or configured				
5101-1.5	cheryption:	10	The encryption keys are generated during				
STCF-2	Can the encryption keys be changed or configured?	No	installation. There is no way to change them		Section 5.17, STCF	SC-28	A.8.2.3
6767 A							
STCF-3	Is the data stored in a database located on the device? Is the data stored in a database external to the	res					
STCF-4	device?	No	_				
					IFO TO 00004 0 0 0040		100 07000 0010
	TRANSMISSION CONFIDENTIALITY (TXCF) The ability of the device to ensure the confidentiality				IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
	of transmitted personally identifiable information.						
TVCE A	Can personally identifiable information be transmitted only via a point-to-point dedicated cable?	No			Section 5.18, TXCF	CM-7	A.12.5.1
TXCF-1	only via a point-to-point dedicated cable?	NO	—		Section 5.16, TACP	CIVI-7	A.12.5.1
	Is personally identifiable information encrypted prior		No encrryption on removable media. Data				
TXCF-2	to transmission via a network or removable media?	Yes	transmited over the network are crypted		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?	Yes					
1701-211	Is personally identifiable information transmission		_				
TXCF-3	restricted to a fixed list of network destinations?	Yes	Only admin can configure network destination		Section 5.18, TXCF	CM-7	A.12.5.1
TYCE A	Are connections limited to suthersticated sut-	Vor	Admin can configure the device to enforce authentication between systems		Section 5.18, TXCF	CM-7	A.12.5.1
TXCF-4	Are connections limited to authenticated systems? Are secure transmission methods	Yes	authentication between systems		Section 5.18, TACE	CIVI-7	A.12.5.1
TXCF-5	supported/implemented (DICOM, HL7, IEEE 11073)?	Yes	DICOM TLS is implemented				
					IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
	TRANSMISSION INTEGRITY (TXIG) The ability of the device to ensure the integrity of				ILC IN 00001-2-2:2012	11131 3P 000-53 KeV. 4	130 27002:2013
	transmitted data.						
	Does the device support any mechanism (e.g., digital						
TXIG-1	signatures) intended to ensure data is not modified during transmission?	Yes	DICOM TLS		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
TAIG-1	Does the device include multiple sub-components		DICOW TES		JECTION 3.19, TAIG	30-8	n.13.2.3, n.14.1.2, n.14.1.3
TXIG-2	connected by external cables?	No	_				
	DEMOTE SEDVICE (DMOT)	<u> </u>			IEC TR 90001 2 2:2012		ISO 27002:2013
	REMOTE SERVICE (RMOT) Remote service refers to all kinds of device				IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	150 27002:2013
	maintenance activities performed by a service person						
	via network or other remote connection.						
D1407.4	Does the device permit remote service connections	Vec				AC-17	A.6.2.1, A.6.2.2, A.13.1.1,
RMOT-1	for device analysis or repair?	Yes	_			AU-17	A.13.2.1, A.14.1.2

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	Does the device allow the owner/operator to initiative	e				
RMOT-1.1	remote service sessions for device analysis or repair?					
	Is there an indicator for an enabled and active remote					
RMOT-1.2	session?	Yes				
	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?	Yes			AC-17	A.13.2.1, A.14.1.2
	Does the device permit or use remote service		The device can be configured to send daily reports.			
RMOT-2	connections for predictive maintenance data?	Yes	Those report do not contain any e-PHI.			
	Does the device have any other remotely accessible					
RMOT-3	functionality (e.g. software updates, remote training)	? Yes	Software update			
	OTHER SECURITY CONSIDERATIONS (OTHR)			IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
	NONE					
	Notes:					
	ł				1	
	Example note. Please keep individual notes to one				1	
	cell. Please use separate notes for separate					
Note 1	information					



Component Name	Manufacturer	Description	Version
Debian 9 "Stretch"	Debian Community (Open Source)	Debian is an open source operating system (OS)	Debian 9 "Stretch"
Linux Kernel	(Open Source)	Linux image base package	4.9.0-12
Grub	(Open Source)	GRand Unified Bootloader, version 2 (PC/BIOS version)	2.02~beta3-5
Cairo	(Open Source)	Cairo 2D vector graphics library	1.14.6-1gaussian1
GNU/libc	(Open Source)	Embedded GNU C Library	2.24-11+deb9u4
Glib	(Open Source)	GLib library of C routines	2.50.3-2+deb9u1
libstdC++	(Open Source)	GNU Standard C++ Library v3	6.3.0-18+deb9u1
bash	(Open Source)	GNU Bourne Again SHell	4.4-5
python	(Open Source)	interactive high-level object-oriented language	3.5.3-1
Xorg	Free Desktop (Open Source)	X.Org X Window System	1:7.7+19
Redshift	Open Source	Adjusts the color temperature of your screen	1.11-1
Xfce	Xfce(Open Source)	Xfce desktop environment	4.12.3
xscreensaver	Open Source	Screensaver daemon and frontend for X11	5.36-1
PostgreSQL	PostgreSQL (Open Source)	object-relational SQL database	9.6+181+deb9u3
Xerces	Apache Foundation (Open Source)	Xerces is a validating XML parser written in a portable subset of C++	3.1.4+debian-2+deb9u1
	OFFIS (Oldenburg Research and Development Institute for		
Dcmtk	Information Technology Tools and Systems)	DICOM toolkit	3.6.5-11gaussian1
dvd+rw-tools	Andy Polyakov (Open Source)	collection of open source DVD and Blu-ray Disc burning tools for Linux	7.1-11.1
Eject	(Open Source)	Eject is a utility that allows to eject CD-ROM. No documentation is provided to the end user.	2.1.5+deb1+cvs20081104-13.2
xorriso	(Open Source)	command line ISO-9660 and Rock Ridge manipulation tool	1.4.6-1+b1
Libusb-1.0.0	(Open Source) (Open Source)	user space USB programming library	2:1.0.21-1
PulseAudio			10.0-1+deb9u1
libcanberra0	(Open Source)	PulseAudio is a network-capable sound server program distributed via the freedesktop.org project	0.30-3
IIDCallDellaO	(Open Source)	simple abstract interface for playing event sounds with pulseAudio backend	0.30-3
CUDA	Nvidia	CUDA allows faster image processing and therefore it is very useful to an imaging system. Provided by the Aixplorer series graphics card manufacturer – Nvidia.	430.50-1
Cg	Nvidia	Nvidia Cg core runtime library	3.1.0013-2+b1
OpenCV	(Open Source)	computer vision Image Processing library	2.4.13.7-0gaussiane2
•		OpenMP (Open Multi-Processing) is an application programming interface (API) that supports multi-platform shared memory	
OpenMP	(Open Source)	multiprocessing programming in C, C++	6.3.0-18+deb9u1
Intel MKL	Intel (Open Source)	Intel® Math Kernel Library (Intel® MKL)	2019.1.144-3~bpo9+1
		Intel® Threading Building Blocks (Intel® TBB) lets you easily write parallel C++ programs that take full advantage of multicore	4 2~20150611 2
TBB (libtbb2)	Intel (Open Source)	performance,	4.3~20150611-2
libdbus-c++	(Open Source)	C++ API for D-Bus (runtime package)	0.9.0-9gaussian2
opendds	OCI	OpenDDS is an Open Source, native C++ implementation of the OMG (Object Management Group) Data Distribution Service (DDS) fo Real-Time Systems specification.	3.14.1-0gaussiane0
pam	(Open Source)	Pluggable Authentication Modules	1.1.8-3.6
	(open source)	PAM module to authenticate using a PostgreSQL database.	
libpam-pgsql	(Open Source)	This module lets you authenticate users against a table in a PostgreSQL database. It also supports checking account information and	0.7.3.2-1
		updating authentication tokens (i.e., passwords).	
gconf2	(Open Source)	GNOME configuration database system (shared libraries)	3.2.6-4gaussian1
atk2 8 libatkmm	(Open Source)	gtk2: Development environment for GTK toolkit for graphical user interfaces.	gtk2: 2.24.31-1gaussian1
gtk2 & libgtkmm	(Open Source)	libgtkmm: C++ wrappers for GTK+ (shared libraries)	libgtkmm: 1:2.24.5-1gaussian1
Maia	(Open Source)	Maia vectorial canvas	0.3.21-0gaussiane1
CUPS	(Open Source)	Common UNIX Printing System(tm)	2.2.1-8+ deb9u6
libopenjp2	(Open Source)	JPEG 2000 image compression/decompression library	2.1.2-1.1+deb9u5
charls	(Open Source)	Implementation of the JPEG-LS standard	1.1.0+dfsg-2
libsensors4	(Open Source)	library to read temperature/voltage/fan sensors	1:3.4.0-4
	(0.7.8-0gaussiane7 (for customer
			site environment)
Thingworx-ssiclient	PTC	Thingworx client for SuperSonic Imagine's Aixplorers.	0.3.10-0gaussiane1(for
			production environment
x11vnc	(Open Source)	VNC server to allow remote access to an existing X session	0.9.13-2+deb9u1
rastertosonyhs	Sony	Sony CUPS raster filter for UP-D897, UP-990AD, UP-970AD and UP-711MD	1.4.1-0gaussian6
rastertosony	Sony	Sony CUPS raster filter for Sony UP-DR80MD, UP-D25MD, UP-991AD, UP-971AD, UP-D898MD, UP-X898MD	1.4.0.2-Ogaussiane2
pgm2d897	•		0.0.3-Ogaussian2
0	Sony	Sony pgm2d897 converter	9
pnm2d23md	Sony	Sony pnm2d23md converter	0.0.2-0gaussian2
upd23md	Sony	Sony upd23md cups driver	1.0.10-0gaussian2.1