Document consists of:

• Fifteen (15) 8 ½ inch x 11 inch sheet(s) attached.

D. PHILIPS REV DRAFTED BY	DATE 2/26/24 DATE	HOLOG	SIGNATI ON F		
D. PHILIPS	2/26/24				
PROPRIETARY INFORMA	TION:	TITLE	DOCUMENT NUMBER		REV
The content of this document is the		MDS2 SHEET FOR APEX 5.6.X	RD-04136	6	002
			RELEASE DATE: 4/2/2	024 SHEET	1 OF 1





Manufacturer Disclosure Statement for Medical Device Security -- MDS2

Hologic, Inc.	Horizon DXA Product line	RD-04136 Rev 002	1-Mar-202	24		
Question ID	Question		See note	IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
DOC-1	Manufacturer Name	Hologic, Inc.	_			
DOC-2	Device Description	DXA System	_			
		Horizon A; Horzion W; Horizon Wi;	_			
DOC-3	Device Model	Horizon C; Horizon Ci				
DOC-4	Document ID	RD-04136 Rev 002	_			
	boddinent ib	Steve Bolduc	_			
DOC-5	Manufacturer Contact Information	steven.bolduc@Hologic.com				
DOC-3	Wandacturer Contact Information	steven.bolddc@11010gic.com	_			
		The Horizon Systems are a bone				
		denistometry device. The system is				
		able to capture images and perform				
			!			
		procedures with no network				
		connectivity. However it is typically				
		connected to a network to achieve				
	Intended use of device in network-connected	query/retrieve, archiving, printing,				
DOC-6	environment:	interfacing with a RIS, etc.	_			
DOC-7	Document Release Date	3/1/2024	_			
	Coordinated Vulnerability Disclosure: Does the					
	manufacturer have a vulnerability disclosure					
DOC-8	program for this device?	No	_			
	ISAO: Is the manufacturer part of an Information					
DOC-9	Sharing and Analysis Organization?	No	_			
	Diagram: Is a network or data flow diagram availabl	e				
	that indicates connections to other system					
DOC-10	components or expected external resources?	Yes, available upon request.	_			
	SaMD: Is the device Software as a Medical Device					
DOC-11	(i.e. software-only, no hardware)?	No				
DOC-11.1	Does the SaMD contain an operating system?	N/A	_			
	Does the SaMD rely on an owner/operator provided		_			
DOC 44.3	operating system?					
DOC-11.2		N/A	_			
	Is the SaMD hosted by the manufacturer?					
DOC-11.3		N/A				
DOC-11.4	Is the SaMD hosted by the customer?	N/A	_			
		Yes, No,				
		N/A, or				
		See Notes	Note #			
	MANAGEMENT OF PERSONALLY IDENTIFIABLE					
	INFORMATION			IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
	Can this device display, transmit, store, or modify					
	personally identifiable information (e.g. electronic					
MPII-1	Protected Health Information (ePHI))?	Yes	Note 1		AR-2	A.15.1.4
	Does the device maintain personally identifiable				2	, ,, 20, 21 ,
MPII-2	information?	Yes			AR-2	A.15.1.4
<u>-</u>			_		2	, ,, ,, ,, ,
	Does the device maintain personally identifiable					
	information temporarily in volatile memory (i.e.,					
MPII-2.1	until cleared by power-off or reset)?	Yes			AR-2	A.15.1.4
	and search of power on or resery.		_		7 11 E	, ,, 20, 2, 7

Hologic, Inc.	Horizon DXA Product line	RD-04136 Rev 002	1-	-Mar-2024	
MPII-2.2	Does the device store personally identifiable information persistently on internal media?	Yes	_		
MADIL 2-2	Is personally identifiable information preserved in the device's non-volatile memory until explicitly	Vec			
MPII-2.3	erased? Does the device store personally identifiable	Yes			
MPII-2.4	information in a database?	Yes			
	Does the device allow configuration to automatically delete local personally identifiable information after				
MPII-2.5	it is stored to a long term solution?	No	_		AR-2
	Does the device import/export personally				
	identifiable information with other systems (e.g., a wearable monitoring device might export personally				
MPII-2.6	identifiable information to a server)?	Yes			AR-2
2.3	Does the device maintain personally identifiable		_		
	information when powered off, or during power				
MPII-2.7	service interruptions?	Yes	_		AR-2
	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				
MPII-2.9	internal drive, alternate drive partition, or remote storage location)?	Yes	Note 45		AR-2
IVIFII-Z.J	Does the device have mechanisms used for the	163	Note 45		AN'Z
	transmitting, importing/exporting of personally				
MPII-3	identifiable information?	Yes			AR-2
-	Does the device display personally identifiable		_		
MPII-3.1	information (e.g., video display, etc.)?	Yes	_		AR-2
	Does the device generate hardcopy reports or				
	images containing personally identifiable				
MPII-3.2	information?	Yes	Note 4		AR-2
	Does the device retrieve personally identifiable				
	information from or record personally identifiable				
	information to removable media (e.g., removable-				
	HDD, USB memory, DVD-R/RW,CD-R/RW, tape,				
MPII-3.3	CF/SD card, memory stick, etc.)?	Yes	Note 5		AR-2
	Does the device transmit/receive or import/export personally identifiable information via dedicated				
	cable connection (e.g., RS-232, RS-423, USB,				
MPII-3.4	FireWire, etc.)?	No			AR-2
***************************************	Does the device transmit/receive personally				··· =
	identifiable information via a wired network				
MPII-3.5	connection (e.g., RJ45, fiber optic, etc.)?	Yes	Note 7		AR-2
	Does the device transmit/receive personally				
	identifiable information via a wireless network				
	connection (e.g., WiFi, Bluetooth, NFC, infrared,				
MPII-3.6	cellular, etc.)?	No	_		AR-2
	Does the device transmit/receive personally				
MPII-3.7	identifiable information over an external network	No			AR-2
IVITII-3./	(e.g., Internet)?	INU			AU-7

A.15.1.4

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Hologic, Inc.	Horizon DXA Product line	RD-04136 Rev 002	1-Mar-2024			
MPII-3.8	Does the device import personally identifiable information via scanning a document?	No				
MPII-3.9	Does the device transmit/receive personally identifiable information via a proprietary protocol? Does the device use any other mechanism to	No				
MPII-3.10 Management of Priv	transmit, import or export personally identifiable information? vate Data notes:	No			AR-2 AR-2	A.15.1.4 A.15.1.4
management or r m	and Sala Notes.				7111.2	7.1.25.21.1
	AUTOMATIC LOGOFF (ALOF) The device's ability to prevent access and misuse by unauthorized users if device is left idle for a period of time.		IEC	C TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
	Can the device be configured to force reauthorization of logged-in user(s) after a predetermined length of inactivity (e.g., auto-logoff,					
ALOF-1	session lock, password protected screen saver)? Is the length of inactivity time before auto-	Yes Note 8		Section 5.1, ALOF	AC-12	None
ALOF-2	logoff/screen lock user or administrator configurable?	Yes Note 8		Section 5.1, ALOF	AC-11	A.11.2.8, A.11.2.9
	AUDIT CONTROLS (AUDT)		IEC	C TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
	The ability to reliably audit activity on the device.					
AUDT-1	Can the medical device create additional audit logs					A F 1 1 A F 1 2 A C 1 1
AUDT-1.1	or reports beyond standard operating system logs? Does the audit log record a USER ID?	Yes		Section 5.2, AUDT	AU-1	A.5.1.1, A.5.1.2, A.6.1.1, A.12.1.1, A.18.1.1, A.18.2.2
		Yes Yes		Section 5.2, AUDT Section 5.2, AUDT	AU-1	
AUDT-1.1	Does the audit log record a USER ID? Does other personally identifiable information exist in the audit trail?	Yes Yes		, in the second		A.12.1.1, A.18.1.1, A.18.2.2
AUDT-1.1 AUDT-1.2	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 audit log: Successful login/logout attempts?	YesYes		Section 5.2, AUDT	AU-2	A.12.1.1, A.18.1.1, A.18.2.2 None
AUDT-1.1 AUDT-1.2 AUDT-2 AUDT-2.1 AUDT-2.2	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 audit log: Successful login/logout attempts? Unsuccessful login/logout attempts?	Yes Yes Yes Yes Yes		Section 5.2, AUDT Section 5.2, AUDT Section 5.2, AUDT Section 5.2, AUDT	AU-2 AU-2 AU-2 AU-2	A.12.1.1, A.18.1.1, A.18.2.2 None None None None None
AUDT-1.1 AUDT-1.2 AUDT-2 AUDT-2.1	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 audit log: Successful login/logout attempts? Unsuccessful login/logout attempts? Modification of user privileges? Creation/modification/deletion of users?	Yes Yes Yes		Section 5.2, AUDT Section 5.2, AUDT Section 5.2, AUDT	AU-2 AU-2 AU-2	A.12.1.1, A.18.1.1, A.18.2.2 None None None
AUDT-1.1 AUDT-1.2 AUDT-2 AUDT-2.1 AUDT-2.2 AUDT-2.3 AUDT-2.4	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 audit log: Successful login/logout attempts? Unsuccessful login/logout attempts? Modification of user privileges? Creation/modification/deletion of users? Presentation of clinical or PII data (e.g. display,	Yes Yes Yes Yes Yes Yes Yes Yes		Section 5.2, AUDT Section 5.2, AUDT Section 5.2, AUDT Section 5.2, AUDT Section 5.2, AUDT Section 5.2, AUDT	AU-2 AU-2 AU-2 AU-2 AU-2 AU-2	A.12.1.1, A.18.1.1, A.18.2.2 None None None None None None None None
AUDT-1.1 AUDT-1.2 AUDT-2 AUDT-2.1 AUDT-2.2 AUDT-2.3	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 audit log: Successful login/logout attempts? Unsuccessful login/logout attempts? Modification of user privileges? Creation/modification/deletion of users?	Yes Yes Yes Yes Yes Yes Yes		Section 5.2, AUDT Section 5.2, AUDT Section 5.2, AUDT Section 5.2, AUDT Section 5.2, AUDT	AU-2 AU-2 AU-2 AU-2 AU-2	A.12.1.1, A.18.1.1, A.18.2.2 None None None None None None None
AUDT-1.1 AUDT-2 AUDT-2.1 AUDT-2.2 AUDT-2.3 AUDT-2.4 AUDT-2.5	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 audit log: Successful login/logout attempts? Unsuccessful login/logout attempts? Modification of user privileges? Creation/modification/deletion of users? Presentation of clinical or PII data (e.g. display, print)? Creation/modification/deletion of data?	Yes		Section 5.2, AUDT	AU-2 AU-2 AU-2 AU-2 AU-2 AU-2	A.12.1.1, A.18.1.1, A.18.2.2 None None None None None None None None
AUDT-1.1 AUDT-1.2 AUDT-2 AUDT-2.1 AUDT-2.2 AUDT-2.3 AUDT-2.4 AUDT-2.5 AUDT-2.6	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 audit log: Successful login/logout attempts? Unsuccessful login/logout attempts? Modification of user privileges? Creation/modification/deletion of users? Presentation of clinical or PII data (e.g. display, print)? Creation/modification/deletion of data? Import/export of data from removable media (e.g. USB drive, external hard drive, DVD)?	Yes Yes		Section 5.2, AUDT	AU-2 AU-2 AU-2 AU-2 AU-2 AU-2 AU-2 AU-2	A.12.1.1, A.18.1.1, A.18.2.2 None None None None None None None None
AUDT-1.1 AUDT-1.2 AUDT-2.1 AUDT-2.2 AUDT-2.3 AUDT-2.4 AUDT-2.5 AUDT-2.6 AUDT-2.7 AUDT-2.8 AUDT-2.8.1	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 audit log: Successful login/logout attempts? Unsuccessful login/logout attempts? Modification of user privileges? Creation/modification/deletion of users? Presentation of clinical or PII data (e.g. display, print)? Creation/modification/deletion of data? Import/export of data from removable media (e.g. USB drive, external hard drive, DVD)? Receipt/transmission of data or commands over a network or point-to-point connection? Remote or on-site support? Application Programming Interface (API) and similar	Yes Yes Yes Yes Yes Yes Yes Yes		Section 5.2, AUDT	AU-2 AU-2 AU-2 AU-2 AU-2 AU-2 AU-2 AU-2	A.12.1.1, A.18.1.1, A.18.2.2 None
AUDT-1.1 AUDT-1.2 AUDT-2.1 AUDT-2.1 AUDT-2.2 AUDT-2.3 AUDT-2.4 AUDT-2.5 AUDT-2.6 AUDT-2.7 AUDT-2.8 AUDT-2.8.1 AUDT-2.8.2	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 audit log: Successful login/logout attempts? Unsuccessful login/logout attempts? Modification of user privileges? Creation/modification/deletion of users? Presentation of clinical or PII data (e.g. display, print)? Creation/modification/deletion of data? Import/export of data from removable media (e.g. USB drive, external hard drive, DVD)? Receipt/transmission of data or commands over a network or point-to-point connection? Remote or on-site support? Application Programming Interface (API) and similar activity?	Yes		Section 5.2, AUDT	AU-2 AU-2 AU-2 AU-2 AU-2 AU-2 AU-2 AU-2	A.12.1.1, A.18.1.1, A.18.2.2 None
AUDT-1.1 AUDT-1.2 AUDT-2.1 AUDT-2.1 AUDT-2.2 AUDT-2.3 AUDT-2.4 AUDT-2.5 AUDT-2.6 AUDT-2.7 AUDT-2.8 AUDT-2.8.1 AUDT-2.8.2 AUDT-2.9	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 audit log: Successful login/logout attempts? Unsuccessful login/logout attempts? Modification of user privileges? Creation/modification/deletion of users? Presentation of clinical or PII data (e.g. display, print)? Creation/modification/deletion of data? Import/export of data from removable media (e.g. USB drive, external hard drive, DVD)? Receipt/transmission of data or commands over a network or point-to-point connection? Remote or on-site support? Application Programming Interface (API) and similar activity? Emergency access?	Yes Yes Yes Yes Yes Yes Yes Yes		Section 5.2, AUDT	AU-2 AU-2 AU-2 AU-2 AU-2 AU-2 AU-2 AU-2	A.12.1.1, A.18.1.1, A.18.2.2 None None
AUDT-1.1 AUDT-1.2 AUDT-2.1 AUDT-2.1 AUDT-2.2 AUDT-2.3 AUDT-2.4 AUDT-2.5 AUDT-2.6 AUDT-2.7 AUDT-2.8 AUDT-2.8.1 AUDT-2.8.2	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 audit log: Successful login/logout attempts? Unsuccessful login/logout attempts? Modification of user privileges? Creation/modification/deletion of users? Presentation of clinical or PII data (e.g. display, print)? Creation/modification/deletion of data? Import/export of data from removable media (e.g. USB drive, external hard drive, DVD)? Receipt/transmission of data or commands over a network or point-to-point connection? Remote or on-site support? Application Programming Interface (API) and similar activity?	Yes		Section 5.2, AUDT	AU-2 AU-2 AU-2 AU-2 AU-2 AU-2 AU-2 AU-2	A.12.1.1, A.18.1.1, A.18.2.2 None

Hologic, Inc.	Horizon DXA Product line	RD-04136 Rev 002		1-Mar-2024			
AUDT-3	9	No			Section 5.2, AUDT	AU-2	None
	Is a list of data attributes that are captured in the						
AUDT-4		Yes	Available upon request.		Section 5.2, AUDT	AU-2	None
AUDT-4.1	Does the audit log record date/time?	Yes	Note 10		Section 5.2, AUDT	AU-2	None
	Can date and time be synchronized by Network Time						
AUDT-4.1.1	Protocol (NTP) or equivalent time source?	Yes	Note 11		Section 5.2, AUDT	AU-2	None
AUDT-5		Yes			Section 5.2, AUDT	AU-2	None
AUDT-5.1		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)?	Yes	Note 12				
	Are audit logs encrypted in transit or on storage						
AUDT-5.4	media?	See Notes	Note 2				
ALIDT C	Can audit logs be monitored/reviewed by	W					
AUDT-6 AUDT-7		Yes Yes	_		Section F.2 ALIDT	AU-2	None
AUDT-7.1	Are audit logs protected from modification? Are audit logs protected from access?	Yes	_		Section 5.2, AUDT	AU-2	None
AUDT-8	Can audit logs be analyzed by the device?	No			Section 5.2, AUDT	AU-2	None
7.02.0	can data logs so analyzed sy the defice.		_		55555.5.2,7.657	7.0 2	
	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 through user login requirements or other						
AUTH-1	mechanism?	Yes	Note 13		Section 5.3, AUTH	IA-2	A.9.2.1
	Can the device be configured to use federated						
	credentials management of users for authorization						
AUTH-1.1	(e.g., LDAP, OAuth)?	Yes	Active Directory		Section 5.3, AUTH	IA-2	A.9.2.1
	Can the customer push group policies to the device						
AUTH-1.2	(e.g., Active Directory)? Are any special groups, organizational units, or group	See Notes	Note 14		Section 5.3, AUTH	IA-2	A.9.2.1
AUTH-1.3	policies required?	Yes	Note 15		Section 5.3, AUTH	IA-2	A.9.2.1
7,0111 1.5	Can users be assigned different privilege levels based		Note 15		3.5, 7.6 111	17.2	71.5.2.1
	on 'role' (e.g., user, administrator, and/or service,						
AUTH-2	· ·	Yes	_		Section 5.3, AUTH	IA-2	A.9.2.1
	Can the device owner/operator grant themselves						
	unrestricted administrative privileges (e.g., access						
	operating system or application via local root or						
AUTH-3	administrator account)?	Yes			Section 5.3, AUTH	IA-2	A.9.2.1
	Does the device authorize or control all API access						
AUTH-4	requests?	N/A	_		Section 5.3, AUTH	IA-2	A.9.2.1
	Does the device run in a restricted access mode, or						
AUTH-5	'kiosk mode', by default?	No	_				
	CYBER SECURITY PRODUCT UPGRADES (CSUP) The ability of on-site service staff, remote service				IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013

staff, or authorized customer staff to install/upgrade device's security patches.

Hologic, Inc.	Horizon DXA Product line	RD-04136 Rev 002 1-Mar-2024	4
	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		
CSUP-1	questions in this section. Does the device contain an Operating System? If yes,	Yes	
CSUP-2	complete 2.1-2.4. Does the device documentation provide instructions	Yes	
CSUP-2.1	for owner/operator installation of patches or software updates? Does the device require vendor or vendor-	Yes Note 16	
CSUP-2.2	authorized service to install patches or software updates?	No	
CSUP-2.3	Does the device have the capability to receive remote installation of patches or software updates?	Yes	
	Does the medical device manufacturer allow security updates from any third-party manufacturers (e.g., Microsoft) to be installed without approval from the		
CSUP-2.4	manufacturer? Does the device contain Drivers and Firmware? If	Yes	
CSUP-3	yes, complete 3.1-3.4. Does the device documentation provide instructions	Yes	
CSUP-3.1	for owner/operator installation of patches or software updates?	No	
20112 2 2	Does the device require vendor or vendor- authorized service to install patches or software		
CSUP-3.2	updates? Does the device have the capability to receive	Yes	
CSUP-3.3	remote installation of patches or software updates? Does the medical device manufacturer allow security		
CSUP-3.4	updates from any third-party manufacturers (e.g., Microsoft) to be installed without approval from the manufacturer?	No	
CSUP-4	Does the device contain Anti-Malware Software? If yes, complete 4.1-4.4.	No Note 17	
C30F-4	Does the device documentation provide instructions for owner/operator installation of patches or		
CSUP-4.1	software updates? Does the device require vendor or vendor-	N/A	
CSUP-4.2	authorized service to install patches or software updates?	N/A	
CSUP-4.3	Does the device have the capability to receive remote installation of patches or software updates?		
	Does the medical device manufacturer allow security updates from any third-party manufacturers (e.g., Microsoft) to be installed without approval from the		
CSUP-4.4	manufacturer? Does the device contain Non-Operating System	N/A	
CSUP-5	commercial off-the-shelf components? If yes, complete 5.1-5.4.	Yes	

Hologic, Inc.	Horizon DXA Product line	RD-04136 Rev 002	1-Mar-2024	
	Does the device documentation provide instructions			
	for owner/operator installation of patches or			
CSUP-5.1	software updates?	No		
	Does the device require vendor or vendor-			
	authorized service to install patches or software			
CSUP-5.2	updates?	Yes		
	Does the device have the capability to receive			
CSUP-5.3	remote installation of patches or software updates?			
	Does the medical device manufacturer allow securit	y		
	updates from any third-party manufacturers (e.g.,			
	Microsoft) to be installed without approval from the			
CSUP-5.4	manufacturer?	No		
	Does the device contain other software components			
	(e.g., asset management software, license			
	management)? If yes, please provide details or			
CSUP-6	refernce in notes and complete 6.1-6.4.	No		
	Does the device documentation provide instructions			
	for owner/operator installation of patches or			
CSUP-6.1	software updates?	N/A		
	Does the device require vendor or vendor-			
	authorized service to install patches or software			
CSUP-6.2	updates?	N/A		
	Does the device have the capability to receive			
CSUP-6.3	remote installation of patches or software updates?	-		
	Does the medical device manufacturer allow securit	У		
	updates from any third-party manufacturers (e.g.,			
CCLID C 4	Microsoft) to be installed without approval from the			
CSUP-6.4	manufacturer? Does the manufacturer notify the customer when	N/A		
CSUP-7	,	Yes Note 18		
C30P-7	updates are approved for installation? Does the device perform automatic installation of	Yes Note 18		
CSUP-8	software updates?	No		
C30F-6	sortware updates:			
	Does the manufacturer have an approved list of thir	d		
CSUP-9	party software that can be installed on the device?			
5	Can the owner/operator install manufacturer-	1000 17		
	approved third-party software on the device			
CSUP-10	themselves?	Yes Note 17		
	Does the system have mechanism in place to			
CSUP-10.1	prevent installation of unapproved software?	No		
	Does the manufacturer have a process in place to	-		
CSUP-11	assess device vulnerabilities and updates?	Yes Note 19		
	Does the manufacturer provide customers with			
CSUP-11.1	review and approval status of updates?	Yes Note 19		
CSUP-11.2	Is there an update review cycle for the device?	Yes Note 20		
	, , , , , , , , , , , , , , , , , , , ,			

HEALTH DATA DE-IDENTIFICATION (DIDT) IEC TR 80001-2-2:2012 NIST SP 800-53 Rev. 4 ISO 27002:2013

Hologic, Inc.	Horizon DXA Product line	RD-04136 Rev 002		1-Mar-2024			
	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	Yes	_		Section 5.6, DIDT	None	ISO 27038
DIDT-1.1	that comply with the DICOM standard for deidentification?	Yes	_		Section 5.6, DIDT	None	ISO 27038
	DATA BACKUP AND DISASTER RECOVERY (DTBK) The ability to recover after damage or destruction of device data, hardware, software, or site configuration information.				IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
DTBK-1	Does the device maintain long term primary storage of personally identifiable information / patient information (e.g. PACS)? Does the device have a "factory reset" function to	No	_				
DTBK-2	restore the original device settings as provided by the manufacturer? Does the device have an integral data backup	See Notes	Note 3		Section 5.7, DTBK	CP-9	A.12.3.1
DTBK-3	capability to removable media? Does the device have an integral data backup	Yes	Note 21		Section 5.7, DTBK	CP-9	A.12.3.1
DTBK-4	capability to remote storage? Does the device have a backup capability for system	Yes	Note 21				
DTBK-5	configuration information, patch restoration, and software restoration?	Yes	Note 21				
DTBK-6	Does the device provide the capability to check the integrity and authenticity of a backup?	No	_		Section 5.7, DTBK	CP-9	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 identifiable information in case of a medical emergency situation that requires immediate access to stored personally identifiable information.						
EMRG-1	Does the device incorporate an emergency access (i.e. "break-glass") feature?	No	_		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.						
IGAU-1	Does the device provide data integrity checking mechanisms of stored health data (e.g., hash or digital signature)? Does the device provide error/failure protection and recovery mechanisms for stored health data (e.g.,	No			Section 5.9, IGAU	SC-28	A.18.1.3
IGAU-2	RAID-5)?	No	Note 22		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).				
MLDP-1	Is the device capable of hosting executable software?	Yes	Section 5.10, MLDP		
	Does the device support the use of anti-malware software (or other anti-malware mechanism)?				
MLDP-2	Provide details or reference in notes. Does the device include anti-malware software by	Yes Note 17	Section 5.10, MLDP	SI-3	A.12.2.1 A.9.2.3, A.9.4.5, A.12.1.2,
MLDP-2.1	default? Does the device have anti-malware software	No Note 17	Section 5.10, MLDP	CM-5	A.12.1.4, A.12.5.1
MLDP-2.2	available as an option? Does the device documentation allow the	Yes Note 17	Section 5.10, MLDP	AU-6	A.12.4.1, A.16.1.2, A.16.1.4
MLDP-2.3	owner/operator to install or update anti-malware software?	Yes Note 17	Section 5.10, MLDP	CP-10	A.17.1.2
MLDP-2.4	Can the device owner/operator independently (re-)configure anti-malware settings?	Yes Note 23	Section 5.10, MLDP	AU-2	None
MLDP-2.5	Does notification of malware detection occur in the device user interface?	See Notes Note 24			
	Can only manufacturer-authorized persons repair				
MLDP-2.6	systems when malware has been detected?	Yes			
MLDP-2.7	Are malware notifications written to a log?	Yes Note 25			
IVILUP-2.7	_	Yes Note 25			
MLDP-2.8	Are there any restrictions on anti-malware (e.g., purchase, installation, configuration, scheduling)?	Yes Note 23			
	If the answer to MLDP-2 is NO, and anti-malware				
MLDP-3	cannot be installed on the device, are other compensating controls in place or available?	N/A	Section 5.10, MLDP	SI-2	A.12.6.1, A.14.2.2, A.14.2.3, A.16.1.3
	Does the device employ application whitelisting that				
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
	Does the device employ a host-based intrusion				
MLDP-5	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) The ability of the device to authenticate communication partners/nodes.		IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013

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NAUT-1	Does the device provide/support any means of node authentication that assures both the sender and the recipient of data are known to each other and are authorized to receive transferred information (e.g. Web APIs, SMTP, SNMP)?				Section 5.11, NAUT	SC-23	None
NAUT-2 NAUT-2.1 NAUT-3	Are network access control mechanisms supported (E.g., does the device have an internal firewall, or use a network connection white list)? Is the firewall ruleset documented and available for review? Does the device use certificate-based network connection authentication?	Yes Yes No	Note 26 Available upon request		Section 5.11, NAUT	SC-7	A.13.1.1, A.13.1.3, A.13.2.1,A.14.1.3
	CONNECTIVITY CAPABILITIES (CONN) 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.				IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
	Does the device have hardware connectivity						
CONN-1	capabilities?	Yes	_				
CONN-1.1	Does the device support wireless connections?	No 	_				
CONN-1.1.1 CONN-1.1.2	Does the device support Wi-Fi?	No No	_				
CONN-1.1.2	Does the device support Bluetooth?	NO	_				
	Does the device support other wireless network						
CONN-1.1.3	connectivity (e.g. LTE, Zigbee, proprietary)?	No					
COININ-1.1.5	connectivity (e.g. LTE, Zigbee, proprietary):	NO	_				
	Does the device support other wireless connections						
CONN-1.1.4	(e.g., custom RF controls, wireless detectors)?	No					
CONN-1.2	Does the device support physical connections?	Yes	_				
CONN-1.2.1	Does the device have available RJ45 Ethernet ports?		_				
CONN-1.2.2	Does the device have available USB ports?	Yes	_				
	Does the device require, use, or support removable						
CONN-1.2.3	memory devices?	Yes	Note 6				
CONN-1.2.4	Does the device support other physical connectivity! Does the manufacturer provide a list of network ports and protocols that are used or may be used on						
CONN-2	the device?	Yes	Available upon request.				
	Can the device communicate with other systems						
CONN-3	within the customer environment?	Yes	_				
	Can the device communicate with other systems						
CONN 4	external to the customer environment (e.g., a	Voc					
CONN-4 CONN-5	service host)? Does the device make or receive API calls?	Yes	_				
CUNIN-5	Does the device make or receive API calls? Does the device require an internet connection for	No	_				
CONN-6	its intended use?	No					
201111 0	Does the device support Transport Layer Security		_				
CONN-7	(TLS)?	Yes	Note 27				
CONN-7.1	Is TLS configurable?	Yes	Note 27				

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CONN-8	Does the device provide operator control functionality from a separate device (e.g., telemedicine)?	No					
CONTO	celemeataney.	110					
	PERSON AUTHENTICATION (PAUT) The ability to configure the device to authenticate users.				IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
	Does the device support and enforce unique IDs and	d					
PAUT-1	passwords for all users and roles (including service accounts)? Does the device enforce authentication of unique IC and passwords for all users and roles (including	Yes	Note 28		Section 5.12, PAUT	IA-2	A.9.2.1
PAUT-1.1	service accounts)?	Yes	Note 28		Section 5.12, PAUT	IA-2	A.9.2.1
	Is the device configurable to authenticate users						
PAUT-2	through an external authentication service (e.g., MS Active Directory, NDS, LDAP, OAuth, etc.)?	Yes	Active Directory		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?	Yes	Note 29		Section 5.12, PAUT	IA-2	A.9.2.1
	Are all default accounts (e.g., technician service accounts, administrator accounts) listed in the						A.14.1.1, A.14.2.7, A.14.2.9,
PAUT-4 PAUT-5	documentation? Can all passwords be changed?	No Yes			Section 5.12, PAUT Section 5.12, PAUT	SA-4(5)	A.15.1.2
	Is the device configurable to enforce creation of use	er					
PAUT-6	account passwords that meet established (organization specific) complexity rules?	Yes	Note 30		Section 5.12, PAUT	IA-2	A.9.2.1
PAUT-7	Does the device support account passwords that expire periodically?	Yes	Note 31		Section 5.12, 1 A01	10-2	A.J.2.1
			Note 31				
PAUT-8 PAUT-9	Does the device support multi-factor authentication Does the device support single sign-on (SSO)?	Yes	Active Directory		Section 5.12, PAUT	IA-2	A.9.2.1
PAUT-10	Can user accounts be disabled/locked on the device	e? Yes	_		Section 5.12, PAUT	IA-2	A.9.2.1
PAUT-11	Does the device support biometric controls? Does the device support physical tokens (e.g. badge	No			Section 5.12, PAUT	IA-2	A.9.2.1
PAUT-12	access)? Does the device support group authentication (e.g.	No	-				
PAUT-13	hospital teams)? Does the application or device store or manage	Yes					
PAUT-14 PAUT-14.1	authentication credentials? Are credentials stored using a secure method?	Yes Yes	Note 32 Note 32				
77.07 2.112	, we dicae many stored assing a second member.	,	1000 32				
	PHYSICAL LOCKS (PLOK) Physical locks can prevent unauthorized users with physical access to the device from compromising the integrity and confidentiality of personally	e			IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
	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

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PLOK-2	Are all device components maintaining personally identifiable information (other than removable media) physically secure (i.e., cannot remove without tools)? Are all device components maintaining personally identifiable information (other than removable	Yes	_		Section 5.13, PLOK	PE- 3(4)	A.11.1.1, A.11.1.2, A.11.1.3
PLOK-3	media) physically secured behind an individually keyed locking device? Does the device have an option for the customer to		_		Section 5.13, PLOK	PE- 3(4)	A.11.1.1, A.11.1.2, A.11.1.3
PLOK-4	attach a physical lock to restrict access to removable 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 II DEVICE LIFE CYCLE (RDMP) Manufacturer's plans for security support of third-	N			IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
RDMP-1	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 development?	Yes			Section 5.14, RDMP	CM-2	None
RDMP-2	Does the manufacturer evaluate third-party applications and software components included in the device for secure development practices? Does the manufacturer maintain a web page or other source of information on software support	Yes	_		Section 5.14, RDMP	CM-8	A.8.1.1, A.8.1.2
RDMP-3	dates and updates? Does the manufacturer have a plan for managing	Yes	_		Section 5.14, RDMP	CM-8	A.8.1.1, A.8.1.2
RDMP-4	third-party component end-of-life?	Yes	_		Section 5.14, RDMP	CM-8	A.8.1.1, A.8.1.2
	SOFTWARE BILL OF MATERIALS (SBoM) A Software Bill of Material (SBoM) lists all the software components that are incorporated into the device being described for the purpose of operational security planning by the healthcare delivery organization. This section supports controls in the RDMP section.				IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
SBOM-1	Is the SBoM for this product available? Does the SBoM follow a standard or common	Yes	See SBoM sheet within this document	t.			
SBOM-2 SBOM-2.1	method in describing software components? Are the software components identified? Are the developers (manufacturers of the software)	No Yes	_				
SBOM-2.2	Are the developers/manufacturers of the software components identified? Are the major version numbers of the software	Yes	_				
SBOM-2.3	components identified?	Yes	_				
SBOM-2.4	Are any additional descriptive elements identified? Does the device include a command or process method available to generate a list of software		_				
SBOM-3 SBOM-4	components installed on the device? Is there an update process for the SBoM?	No Yes	— Note 33				

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	SYSTEM AND APPLICATION HARDENING (SAHD) The device's inherent resistance to cyber attacks				IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
	and malware.					CM-7	A.12.5.1*
SAHD-1	Is the device hardened in accordance with any industry standards? Has the device received any cybersecurity	No			Section 5.15, SAHD	AC-17(2)/IA-3	A.6.2.1, A.6.2.2, A.13.1.1, A.13.2.1, A.14.1.2/None A.14.2.7, A.15.1.1, A.15.1.2,
SAHD-2	certifications? Does the device employ any mechanisms for	Yes	DoD RMF ATO		Section 5.15, SAHD	SA-12(10)	A.15.1.3
SAHD-3	software integrity checking Does the device employ any mechanism (e.g., release-specific hash key, checksums, digital signature, etc.) to ensure the installed software is	No	_				
SAHD-3.1	manufacturer-authorized? Does the device employ any mechanism (e.g., release-specific hash key, checksums, digital signature, etc.) to ensure the software updates are	Yes					
SAHD-3.2	the manufacturer-authorized updates?	Yes	Note 34		Section 5.15, SAHD	CM-8	A.8.1.1, A.8.1.2
SAHD-4	Can the owner/operator perform software integrity checks (i.e., verify that the system has not been modified or tampered with)? Is the system configurable to allow the	No			Section 5.15, SAHD	AC-3	A.6.2.2, A.9.1.2, A.9.4.1, A.9.4.4, A.9.4.5, A.13.1.1, A.14.1.2, A.14.1.3, A.18.1.3
SAHD-5	implementation of file-level, patient level, or other types of access controls?	Yes	Note 35		Section 5.15, SAHD	CM-7	A.12.5.1*
SAHD-5.1	Does the device provide role-based access controls?	? Yes	Note 35		Section 5.15, SAHD	CM-7	A.12.5.1*
	Are any system or user accounts restricted or						
SAHD-6	disabled by the manufacturer at system delivery? Are any system or user accounts configurable by the	Yes	Note 36		Section 5.15, SAHD	CM-8	A.8.1.1, A.8.1.2
SAHD-6.1	end user after initial configuration? Does this include restricting certain system or user	Yes			Section 5.15, SAHD	CM-7	A.12.5.1*
SAHD-6.2	accounts, such as service technicians, to least privileged access? Are all shared resources (e.g., file shares) which are	See Notes	Note 37		Section 5.15, SAHD	CM-7	A.12.5.1*
SAHD-7	not required for the intended use of the device disabled? Are all communication ports and protocols that are	Yes	_		Section 5.15, SAHD	CM-7	A.12.5.1*
SAHD-8	not required for the intended use of the device disabled? Are all services (e.g., telnet, file transfer protocol [FTP], internet information server [IIS], etc.), which	Yes	_		Section 5.15, SAHD	SA-18	None
SAHD-9	are not required for the intended use of the device deleted/disabled? Are all applications (COTS applications as well as OS included applications, e.g., MS Internet Explorer,	Yes	-		Section 5.15, SAHD	CM-6	None
SAHD-10	etc.) which are not required for the intended use of the device deleted/disabled?	Yes	_		Section 5.15, SAHD	SI-2	A.12.6.1, A.14.2.2, A.14.2.3, A.16.1.3
CAUD 11	Can the device prohibit boot from uncontrolled or removable media (i.e., a source other than an	Ver	News 20				
SAHD-11	internal drive or memory component)?	Yes	Note 38				
SAHD-12	Can unauthorized software or hardware be installed on the device without the use of physical tools?	See Notes	Note 39				

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SAHD-13 SAHD-14 SAHD-14.1 SHAD-15	Does the product documentation include information on operational network security scanning by users? Can the device be hardened beyond the default provided state? Are instructions available from vendor for increased hardening? Can the system prevent access to BIOS or other bootloaders during boot? Have additional hardening methods not included in 2.3.19 been used to harden the device?	No See Notes Yes Yes	— Note 40 Available upon request/discussion. Note 38				
SARD-10	SECURITY GUIDANCE (SGUD) Availability of security guidance for operator and administrator of the device and manufacturer sales and service.	NO			IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
SGUD-1	Does the device include security documentation for the owner/operator? Does the device have the capability, and provide	Yes	Note 41		Section 5.16, SGUD	AT-2/PL-2	A.7.2.2, A.12.2.1/A.14.1.1
SGUD-2	instructions, for the permanent deletion of data from the device or media?	Yes	Note 42		Section 5.16, SGUD	MP-6	A.8.2.3, A.8.3.1, A.8.3.2, A.11.2.7 A.9.1.2, A.9.2.3, A.9.4.4,
SGUD-3	Are all access accounts documented? Can the owner/operator manage password control	Yes	Available upon request.		Section 5.16, SGUD	AC-6,IA-2	A.9.4.5/A.9.2.1
SGUD-3.1	for all accounts? Does the product include documentation on	Yes	_				
SGUD-4	recommended compensating controls for the device?	Yes	Note 17				
	HEALTH DATA STORAGE CONFIDENTIALITY (STCF) The ability of the device to ensure unauthorized				IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
	access does not compromise the integrity and confidentiality of personally identifiable information stored on the device or removable media.						
STCF-1 STCF-1.1	Can the device encrypt data at rest? Is all data encrypted or otherwise protected? Is the data encryption capability configured by	Yes See Notes	Note 2		Section 5.17, STCF	SC-28	A.8.2.3
STCF-1.2	default? Are instructions available to the customer to	No					
STCF-1.3	configure encryption?	No					
STCF-2	Can the encryption keys be changed or configured? Is the data stored in a database located on the	Yes	Note 2		Section 5.17, STCF	SC-28	A.8.2.3
STCF 4	device? Is the data stored in a database external to the	Yes	_				
STCF-4	device?	No	_				
	TRANSMISSION CONFIDENTIALITY (TXCF)				IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013

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	The ability of the device to ensure the confidentiality of transmitted personally identifiable information.	,					
	Can personally identifiable information be						
TXCF-1	transmitted only via a point-to-point dedicated cable?	No			Section 5.18, TXCF	CM-7	A.12.5.1
	Is personally identifiable information encrypted price	r					
TXCF-2	to transmission via a network or removable media?		Note 43		Section 5.18, TXCF	CM-7	A.12.5.1
	If data is not encrypted by default, can the custome	r					
TXCF-2.1	configure encryption options?	Yes	Note 43				
	Is personally identifiable information transmission						
TXCF-3	restricted to a fixed list of network destinations?	Yes	_		Section 5.18, TXCF	CM-7	A.12.5.1
TXCF-4	Are connections limited to authenticated systems?	No			Section 5.18, TXCF	CM-7	A.12.5.1
TACT 4	The connections inniced to dutilenticated systems.	No	_		3000011 3.10, 17001	CIVI 7	71.12.5.1
TVCE	Are secure transmission methods	. w.					
TXCF-5	supported/implemented (DICOM, HL7, IEEE 11073)?	NO	_				
	TRANSMISSION INTEGRITY (TXIG)				IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
	The ability of the device to ensure the integrity of						
	transmitted data.						
	Does the device support any mechanism (e.g., digita	ll .					A O 2 2 A 42 4 4 A 42 2 4
TXIG-1	signatures) intended to ensure data is not modified during transmission?	No			Section 5.19, TXIG	SC-8	A.8.2.3, A.13.1.1, A.13.2.1, A.13.2.3, A.14.1.2, A.14.1.3
TAIG-1	Does the device include multiple sub-components	140			Section 5.15, TAIG	30-5	A.13.2.3, A.14.1.2, A.14.1.3
TXIG-2	connected by external cables?	No	_				
	DEMOTE SERVICE (DMOT)				IEC TR 80001-2-2:2012	NIST SP 800-53 Rev. 4	ISO 27002:2013
	REMOTE SERVICE (RMOT)				IEC 1K 80001-2-2:2012	NIST 3P 800-33 Rev. 4	130 27002:2013
	Remote service refers to all kinds of device						
	maintenance activities performed by a service						
	person via network or other remote connection.						
	Does the device permit remote service connections						A.6.2.1, A.6.2.2, A.13.1.1,
RMOT-1	for device analysis or repair?	Yes				AC-17	A.13.2.1, A.14.1.2
	Does the device allow the owner/operator to						
	initiative remote service sessions for device analysis						
RMOT-1.1	or repair?	No	_				
	Is there an indicator for an enabled and active						
RMOT-1.2	remote 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						
RMOT-2	connections for predictive maintenance data?	No	_				
	Does the device have any other remotely accessible						
PMOT-3	functionality (e.g. software updates, remote	Voc	Note 44				

OTHER SECURITY CONSIDERATIONS (OTHR) IEC TR 80001-2-2:2012 NIST SP 800-53 Rev. 4 ISO 27002:2013

Note 44

RMOT-3

training)?

Yes

Software Bill of Materials (SBoM)			
Component Name	Developer	Version(s)	Product Use
Microsoft Windows 10 IoT Enterprise x64	Microsoft	LTSB 2016; LTSC 2019	Operating System
Browser for SQL Sever 2019	Microsoft	15.0.2000.5	Product application database software
Internet Explorer	Microsoft	11.3866.14393.0	Product application support software
Microsoft Access Database Engine 2010	Microsoft	7015.1000	Product application support libraries
Microsoft Help Viewer 2.3	Microsoft	2.3.28307	Product application support libraries
Microsoft ODBC Driver 17 for SQL Server	Microsoft	17.7.2.1	Product application database software
Microsoft OLE DB Driver for SQL Server	Microsoft	18.5.0.0	Product application database software
Microsoft SQL Server 2012 Native Client	Microsoft	11.4.7462.6	Product application database software
Microsoft SQL Server 2019 (64-bit)	Microsoft	15.0.2000.5	Product application database software
Microsoft SQL Server 2019 Setup (English)	Microsoft	15.0.4013.40	Product application database software
Microsoft SQL Server 2019 T-SQL Language Service	Microsoft	15.0.2000.5	Product application database software
Microsoft SQL Server Mangement Studio - 18.12.1	Microsoft	15.0.18424.0	Product application database software
Microsoft Sync Framework 2.1 Core Components (x86)	Microsoft	2.1.1648.0	Product application support libraries
Microsoft Sync Framework 2.1 Database Providers (x86)	Microsoft	3.1.1648.0	Product application support libraries
Microsoft Sync Framework 2.1 Provider Services (x86)	Microsoft	2.1.1648.0	Product application support libraries
Microsoft Visual C++ 2005 Redistributable	Microsoft	8.0.61001	Product application support libraries
Microsoft Visual C++ 2010 x86 Redistributable	Microsoft	10.0.40219	Product application support libraries
Microsoft Visual C++ 2013 Redistributable (x86)	Microsoft	12.0.40664.0	Product application support libraries
Microsoft Visual C++ 2017 Redistributable (x64)	Microsoft	14.14.26429.4	Product application support libraries
Microsoft Visual C++ 2017 Redistributable (x86)	Microsoft	14.14.26429.4	Product application support libraries
Microsoft Visual Studio Tools for Applications 2017	Microsoft	15.0.27520	Product application support libraries
Microsoft VSS Writer for SQL Server 2019	Microsoft	15.0.2000.5	Product application database software
Microsoft Word LTSC - en-us	Microsoft	16.0.14332.20345	Product application support software
Sentinel Runtime	Gemalto/Thales	8.43.12087.60001	Service dongle driver
Visual Studio 2010 Prerequisites	Microsoft	10.0.40219	Product application support libraries
Merge DICOM Toolkit	Merge/IBM	4.4.0.0	Product application support libraries
UCDMC DICOM Library	Regents of the University of California	1.0.0.0	Product application support libraries
LeadTools Imaging Library	LeadTools	9.0.0.0	Product application support libraries
FoxBurner SDK	IFoerster Development	6.7.1.0	Product application support libraries
Wizart Runtime	Assima	6.18.264.2856	Product application support libraries
FRAX Blackbox	University of Sheffield	3.8.0.0	Product application support software
ChartDirector	Advanced Software Engineering	5.0.1.0	Product application support libraries
OpenSSL Toolkit	The OpenSSL Project	0.9.8.8	HL7 Client
Microsoft Visual C++ 2005 Redistributable	Microsoft	2.0.50727.762	HL7 Client
Microsoft .NET Framework 3.5	Microsoft	3.5.21022.8	HL7 Client

Additional Notes

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

Note 1