					•	TIN 1-	2010
		Manufactur	er Disclosure State	ement for Medical Devi	ce Security – MDS ²		
			DEVIC	CE DESCRIPTION			
Devic	e Cate	ory	lanufacturer	Document ID	Document Release	Date	
Class	II		ital Images, Inc.	VLC-10185	20-May-19		
Devic	e Mode		Software Revision		Software Release D	Date	
Vitre	a Advar	ced Visualization 7	.11		22-May-19		
Manu	ıfacturer	or Company Name		Manufacturer Contact	Information		
	esentati			5850 Opus Parkway S	Suite #300, Minnetonka MN 5	5343	
Conta		Representative Na	ame/Position	952-487-9500			
	nation		Senior Software Engine	er I			
		of device in network-cor					
		dical diagnostic system	that allows the processing	ng, review, analysis, communi	cation, and media interchange	e of multi-	
	nsional	. 10	C: 1 1 37'			1	
digita	ıı ımage	acquired from a variety			mage interpretation in mamm	ograpny	
			MANAGEME	ENT OF PRIVATE DATA	4		
						Yes, No,	#
	Ref	er to Section 2.3.2 of this	standard for the proper i	nterpretation of information re	quested in this form.	N/A, or See Note	Note
A	Can t	is device display, transm	nit, or maintain private d	ata (including electronic Prot	tected Health Information	OCC NOIC	
	[ePHI		,	J		Yes	1
В	Types	of private data elements	s that can be maintained	by the device :			
	B.1	-		que identification number)?		Yes	
	B.2	Medical record (e.g., me	edical record #, account	#, test or treatment date, devi	ce identification number)?		
						Yes	
	B.3		e.g., photo/radiograph, te	est results, or physiologic data	a with identifying		
		characteristics)?				Yes	
	B.4	Open, unstructured text	entered by device user	operator?		Yes	
	B.5	Biometric data?				No	
	B.6	Personal financial inform				No	_
С		ining private data - Can			"	V	1
	C.1	-		mory (i.e., until cleared by pow	/er-off or reset)'?	Yes Yes	1
	C.2	Store private data pers	-			Yes	1 1
	C.3 C.4	Import/export private data	ata with other systems? uring power service inter	muntions?		Yes	1
D		•	• .	ing of private data – Can the	device:	1 03	1
	D.1	Display private data (e.ç		ing of private data – Can the	uevice.	Yes	
	D.2		orts or images containing	private data?		Yes	
	D.3			ta to removable media (e.g.,	disk. DVD. CD-ROM. tape.		
		CF/SD card, memory st	•		, - · - , · · · · · · · · · · · ·	Yes	1
	D.4	Transmit/receive or imp	ort/export private data v	ia dedicated cable connection	(e.g., IEEE 1073, serial port,		
		USB, FireWire, etc.)?				Yes	1
	D.5	Transmit/receive private	e data via a wired netwo	rk connection (e.g., LAN, WAI	N, VPN, intranet, Internet,		
		etc.)?				Yes	1
	D.6		e data via an integrated	wireless network connection (e.g., WiFi, Bluetooth,		
		infrared, etc.)?				Yes	1
	D.7	Import private data via	scanning?			Yes IN/A	
	D.8	Other?	ioa" harain rafara ta 41	Vitroo® goffware and last:	ngo Vital Imagos doos # - 4		
	igement te Data	OI 1 1	ting system software an		nse. Vital Images does not m	anunaciure	

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Device Category		Manufacturer	Document ID	Document Release	Date	
Class II		Vital Images, Inc.	VLC-10185	16-May-19		
Device Model		Software Revision		Software Release D	ate	
Vitrea	Advanced Visualization	7.11		22-Mav-19		
		SECUI	RITY CAPABILITIES		V 00 110	
			interpretation of information red	quested in this form.	Yes, No, N/A, or See Note	Note #
1	AUTOMATIC LOGOFF (AL					
	The device 's ability to prev	ent access and misuse by ι	unauthorized users if device is	left idle for a period of time.		
1-1	•	red to force reauthorization of session lock, password prof	of logged-in user (s) after a pred tected screen saver)?	determined length of	Yes	1
		-	f/screen lock user or administra	ator configurable? (Indicate	***	2
		urable range] in notes.)		iib	Yes	2
	user?	en lock be manually invoke	ed (e.g., via a shortcut key or pr	oximity sensor, etc.) by the	Yes	3
	1. The term "device	"herein refers to the Vitrea	a® software and /or license. V	ital Images does not manufact	ture hardwa	re or
			which may extend these funct			layed
ALOF notes:			logged off when they try to int goff has a default of four hours			tion
notoo.	inactivity.	etivity time before auto-log	gon has a default of four flours	for a user session and 13 mm	tor applica	tion
		* *	ft "Windows logo + L" shortcu	t key for standard desktop loc	king.	
2	AUDIT CONTROLS (AUDI					
	The ability to reliably audit	activity on the device .				
2-1	Can the medical device or	eate an audit trail ?			Yes	1
2-2	Indicate which of the follow	ring events are recorded in t	he audit log:			
	2-2.1 Login/logout				Yes	1
	2-2.2 Display/presentation	n of data			Yes	1
	2-2.3 Creation/modification	on/deletion of data			No	1
	2-2.4 Import/export of dat	a from removable media			No	1
	2-2.5 Receipt/transmission	on of data from/to external (e	e.g., network) connection		No	2
	2-2.5.1 Remote serv	ice activity			No	2
	2-2.6 Other events? (dese	cribe in the notes section)			N/A	_
2-3	Indicate what information is	s used to identify individual e	events recorded in the audit log	j:		
	2-3.1 User ID				Yes	1
	2-3.2 Date/time				Yes	1
AUDT notes:	form of DICOM da 2. The term "devic	ta and Reports. An audit lo e" herein refers to the Vitre	nat list user actions to ePHI dat g is created anytime patient im a® software and /or license. V which may extend these funct	nage data is viewed as well as w Vital Images does not manufac	user login/lo	ogoff.
3	AUTHORIZATION (AUTH)	ntware and for components	which may extend these funct	10113.		
3-1		determine the authorization cess to unauthorized users	of users. through user login requiremen	ts or other mechanism?	Yes	1
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	_
3-3	Can the device owner/ ope application via local root or		ministrative privileges (e.g., acc	cess operating system or	Yes	1
AUTH notes:			ea® software and /or license. Very which may extend these funct	_	ture hardwa	are or

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Device	Category	Manufacturer	Document ID	Document Releas	a Data	
Class I		Vital Images, Inc.	VLC-10185	20-May-19	e Date	
L — —		_'				
Device	Advanced Visualization	Software Revision 7.11		Software Release 22-May-19	Date	
Vitrea	Advanced visualization	■ /.11		22-May-19	V/ NI	
	Refer to Section 2.3.2 of	this standard for the proper	interpretation of information re	equested in this form.	Yes, No, N/A, or See Note	Note #
4	CONFIGURATION OF SEC	CURITY FEATURES (CNFS)			
	The ability to configure/re-o	configure device security ca	apabilities to meet users' nee	eds.		
4-1	Can the device owner/open	rator reconfigure product se	curity capabilities?		Yes	1
CNFS	1. The term "devic	e" herein refers to the Vitre	a® software and /or license.	Vital Images does not manuf	acture hardwar	re or
notes:			which may extend these funct	tions.		
5	CYBER SECURITY PROD	, ,				
	The ability of on-site service	e staff, remote service staff,	or authorized customer staff to	o install/upgrade device 's se	curity patches.	
5-1	Can relevant OS and device	ce security patches be applie	ed to the device as they becor	me available?	Yes	1, 2
	5-1.1 Can security patche	es or other software be insta	lled remotely?		Yes	1
			ers with Anti-Virus Definition		curity or Servic	e
CSUP			hardware security and softwar			
notes:			® software and /or license. V which may extend these functions.		acture hardware	e or
			which may extend these fanct	tions.		
6	HEALTH DATA DE-IDENT	• •	that allows identification of a	araan		
	•	•	that allows identification of a p	Derson.		
6-1		n integral capability to de-ide			Yes	1
DIDT notes:			the 'Anonymize' or 'Edit Pati	ent' function when saving the	e data to media	ıor
7		ata to a different system ASTER RECOVERY (DTBK)				
	The ability to recover after	damage or destruction of de	evice data, hardware, or softwa	are.		
7-1	Does the device have an in such as tape, disk)?	ntegral data backup capabili	ty (i.e., backup to remote stora	age or removable media	No	1
DTBK	1. The term "devic	e" herein refers to the Vitre	a® software and /or license.	Vital Images does not manuf	acture hardwar	re or
notes:	operating system so	oftware and /or components	which may extend these function	tions.		
8	EMERGENCY ACCESS (E	•				
	The ability of device users private data.	to access private data in c	ase of an emergency situation	n that requires immediate acc	ess to stored	
8-1	Does the device incorporate	te an emergency access ("	break-glass") feature?		No	1
EMRG notes:			a® software and /or license. Which may extend these functions		acture hardwar	re or
9	HEALTH DATA INTEGRIT	Y AND AUTHENTICITY (IG.	AU)			
	How the device ensures the originator.	at data processed by the de	evice has not been altered or o	destroyed in an unauthorized	manner and is	from
9-1	Does the device ensure the	e integrity of stored data wit	n implicit or explicit error detec	tion/correction technology?	No	1
IGAU notes:			a® software and /or license. Which may extend these func	_		re or

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Device Category		Manufacturer	Document ID	Document Release	Date	
Class II		Vital Images, Inc.	VLC-10185	20-May-19		
Device Model		Software Revision		Software Release D	ate	
Vitrea Advanced Visualization		7.11		22-May-19		
\vdash					Yes, No,	#
	Refer to Section 2.3.2 of t	his standard for the proper	interpretation of information req	uested in this form.	N/A, or	Note ;
					See Note	ž
10	MALWARE DETECTION/P	, ,				
	The ability of the device to	effectively prevent, detect a	and remove malicious software (malware).		
10-1	Does the device support the	e use of anti-malware soft	ware (or other anti-malware me	echanism)?	Yes	1
	10-1.1 Can the user indepe				N/A	1
	10-1.2 Does notification of				N/A	1
	10-1.3 Can only manufactu	rer-authorized persons rep	air systems when malware has	been detected?	N/A	1
10.0	Can the device august instal	l or undata anti vinua aaft	ara O		Yes	1
10-2 10-3	Can the device owner instal		ware :) update virus definitions on mar	sufacturar installed anti	1 03	1
10-3	virus software?	ator (teerimeany/priysicany	deminions on mar	iulaciulei-ilistalleu aliti-	Yes	1
	1. Vital Images, Inc	e. does not provide custom	ers with Anti-Virus Definition I	Files, Operating System Secu	rity or Servi	ce
MLDP	Packs. Customer is	•	hardware security and software		,	
notes:						
11	NODE AUTHENTICATION					
	The ability of the device to	authenticate communicatio	n partners/nodes.			
11-1	Does the device provide/su	pport any means of node a	authentication that assures both	the sender and the recipient		
	of data are known to each o	ther and are authorized to	receive transferred information?		Yes	1
	1 The term "device	" herein refers to the Vitre	ea® software and /or license. V	ital Images does not manufac		re or
NAUT	operating system so		which may extend these function	_	raio nara wa	10 01
notes:	1 6 7	•	·			
12	PERSON AUTHENTICATION	N (PAUT)				
	Ability of the device to auth	enticate users				
12-1	Does the device support us	ser/operator-specific userr	name(s) and password(s) for at le	east one user ?	Yes	1
	12-1.1 Does the device sup	port unique user/operator	-specific IDs and passwords for	multiple users?		
					Yes	1
12-2			rough an external authenticatior	service (e.g., MS Active	***	
	Directory, NDS, LDAP, etc.)				Yes	1
12-3	Can the device be configure	ed to lock out a user after a	a certain number of unsuccessfu	il logon attempts?	N/A	1
12-4	Can default passwords be o	hanged at/prior to installati	on?		Yes	1
12-4	Are any shared user IDs us	•	OII!		No	1
12-6	-		ser account passwords that mee	et established complexity	110	
1.2 0	rules?	od to omoroc orodion or d	sor account pacewords that mee	t cotabilorica complexity	Yes	1
12-7	Can the device be configure	ed so that account passwo	rds expire periodically?		N/A	1
PAUT	1. The term "device	" herein refers to the Vitre	ea® software and /or license. V	ital Images does not manufac	cture hardwa	re or
notes:			which may extend these function	_		
13	PHYSICAL LOCKS (PLOK)	·			
	Physical locks can prevent of private data stored on the	· ·	nysical access to the device from	n compromising the integrity	and confiden	tiality
13-1	•		er than removable media) physica	ally secure (i.e., cannot	N T/4	1
	remove without tools)?	n1			N/A	1
PLOK			ea® software and /or license. V	_	cture hardwa	re or
notes:	operating system so	πware and /or components	which may extend these function	ons.		

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Device Category		Manufacturer	Document ID	Document Release	Date		
Class II		Vital Images, Inc.	VLC-10185	20-May-19			
Device Model		Software Revision		Software Release D	ate		
Vitrea Advanced Visualization		7.11		22-May-19			
Г	Refer to Section 2.3.2 of t	his standard for the proper	interpretation of information red	quested in this form.	Yes, No, N/A, or See Note	Note #	
14	ROADMAP FOR THIRD PA	RTY COMPONENTS IN D	EVICE LIFE CYCLE (RDMP)				
	Manufacturer's plans for sec	curity support of 3rd party of	omponents within device life c	ycle.			
14-1	In the notes section, list the including version number(s)		rately purchased and/or deliver	red) operating system(s) -	See Note	1	
14-2	Is a list of other third party a	pplications provided by the	manufacturer available?		Yes		
RDMP notes:	Microsoft Windows	Server 2016					
15	SYSTEM AND APPLICATION	ON HARDENING (SAHD)					
	The device 's resistance to o).				
15-1	Does the device employ an industry-recognized hardeni	, ,	ease indicate in the notes the I	evel of conformance to any	Yes	1, 2	
15-2	Does the device employ an program/update is the manu		e-specific hash key, checksums m or software update?	s, etc.) to ensure the installed	Yes	3	
15-3	Does the device have exter	nal communication capabil	ity (e.g., network, modem, etc.))?	Yes	3	
15-4	Does the file system allow to (NTFS) for MS Windows pla		vel access controls (e.g., New	Technology File System	Yes	3	
15-5	Are all accounts which are r applications?	not required for the intende	d use of the device disabled o	or deleted, for both users and	Yes	3	
15-6	Are all shared resources (e.	g., file shares) which are no	ot required for the intended us	e of the device, disabled?	Yes	3	
15-7	Are all communication ports	which are not required for	the intended use of the devic	e closed/disabled?	Yes	3	
15-8	Are all services (e.g., telnet, required for the intended us		, internet information server [IIS sabled?	S], etc.), which are not	Yes	3	
15-9	are not required for the inte	nded use of the device de		, ,	No	3	
	component)?		nedia (i.e., a source other than		Yes	3	
15-11	tools?		e manufacturer be installed on t		Yes	3	
	options. notes: 2. Conformance: Vuremediation/mitigati 3. The term "device"	ulnerability Monitoring & lon procedures. The Vitrea	de for the client user which pr Response process results in im software is analyzed against R a® software and /or license. V	mediate patch testing and RMF/ATO DoD A&A standard	ds.	e or	
16							
	The availability of security guidance for operator and administrator of the system and manufacturer sales and serv				ce.		
16-1 Are security-related features documented for the device user ?				Yes	1		
16-2	of personal or other sensitive data)?				Yes	1	
SGUD	 The term "device" herein refers to the Vitrea® software and /or license. Vital Images does not manufacture hard SGUD notes: operating system software and /or components which may extend these functions. 						

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Device Category		Manufacturer Document ID Document Relea		Date		
Class II Device Model		Vital Images, Inc.	VLC-10185	20-May-19		
		Software Revision Software Re		Software Release D	Date	1
Vitrea	Advanced Visualization	1 7.11		22-May-19		
	Refer to Section 2.3.2 of	this standard for the proper	interpretation of information red	quested in this form.	Yes, No, N/A, or See Note	Note #
17		CONFIDENTIALITY (STC				
	on device or removable m		s does not compromise the inte	egrity and confidentiality of pri	vate data sto	ored
17-1	Can the device encrypt da	ta at rest?			No	_
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 transr	nitted only via a point-to-poi	nt dedicated cable?		N/A	
18-2	Is private data encrypted p	orior to transmission via a ne	etwork or removable media? (I	f yes, indicate in the notes		
	which encryption standard				No	-
18-3	Is private data transmission	on restricted to a fixed list of	network destinations?		No	-
TXCF notes:						
19	TRANSMISSION INTEGRI	TY (TXIG)				
		ensure the integrity of trans	mitted private data .			
19-1	Does the device support a describe in the notes section	•	ensure data is not modified duri	ng transmission? (If yes,	No	
TXIG notes:						
20	OTHER SECURITY CONS	IDERATIONS (OTHR)				
	Additional security consider	erations/notes regarding me	dical device security.			
20-1	Can the device be serviced	d remotely?			Yes	1
20-2	Can the device restrict remaddresses)?	note access to/from specifie	d devices or users or network l	locations (e.g., specific IP	Yes	1
	,	configured to require the loc	al user to accept or initiate ren	note access?	Yes	1
	1. Vital Images, Inc	e. Technical Support can us	e WebEx, Bomgar or VPN for	remote application (Vitrea) s	upport	
OTHR						
notes:						

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