## VLC-10006 Rev. A

HN 1-2013

		Manufacturer Disclosure Statement	for Medical Device Security – N	1DS <sup>2</sup>	
		DEVICE DE	SCRIPTION		
Devi	ce Cate	Manufacturer	Document ID Docume	nt Release Date	
Class	s II	Vital Images, Inc.	VLC-10006 Aug-3-2	018	
Devi	ce Mode	I Software Revision	Software	Release Date	—
		nced Visualization 7.9	8-Aug-1		
		Company Name	Manufacturer Contact Information		
	ufacture	or Vital Images Inc	5850 Opus Parkway Suite #300, Minneto	onka MN 55343	
	esentati act Infor		952-487-9500		
		Kelly Dupasquier, Senior Product Manager			
Inter	nded us	e of device in network-connected environment:			
Vitre	ea is a m	edical diagnostic system that allows the processing, revie	ew, analysis, communication, and media i	nterchange of multi-	
	ensional				
digit	al image	s acquired from a variety of imaging devices. Vitrea is n	ot meant for primary image interpretation	in mammography	
		MANAGEMENT (	OF PRIVATE DATA		
	D			Yes, No,	# 0
	Re	er to Section 2.3.2 of this standard for the proper interpre	tation of information requested in this form	n. N/A, or See Note	Note #
A	Can t	his <b>device</b> display, transmit, or maintain <b>private data</b> (inc	luding electronic Protected Health Infor		_
	[ePH			Yes	1
в		s of <b>private data</b> elements that can be maintained by the	device:		-
	B.1	Demographic (e.g., name, address, location, unique ide		Yes	
	B.2	Medical record (e.g., medical record #, account #, test of	or treatment date, device identification nur	nber)?	
				Yes	
	B.3	Diagnostic/therapeutic (e.g., photo/radiograph, test resu	Ilts, or physiologic data with identifying		
		characteristics)?		Yes	
	B.4	Open, unstructured text entered by device user/operate	or?	Yes	
	B.5	Biometric data?		No	
	B.6	Personal financial information?		No	
С		aining private data - Can the device:		X7	1
	C.1	Maintain <b>private data</b> temporarily in volatile memory (i.	e., until cleared by power-off or reset)?	Yes Yes	1 1
	C.2	Store <b>private data</b> persistently on local media?		Yes	1
	C.3 C.4	Import/export <b>private data</b> with other systems?	-3	Yes	1
D		Maintain <b>private data</b> during power service interruption anisms used for the transmitting, importing/exporting of <b>p</b>		105	1
Ľ	D.1	Display private data (e.g., video display, etc.)?	nvale data – Can the device.	Yes	
	D.2	Generate hardcopy reports or images containing <b>privat</b>	e data?	Yes	
	D.3	Retrieve private data from or record private data to re		V. tape.	
		CF/SD card, memory stick, etc.)?		Yes	1
	D.4	Transmit/receive or import/export private data via dedi	cated cable connection (e.g., IEEE 1073, s	serial port,	
		USB, FireWire, etc.)?		Yes	1
	D.5	Transmit/receive private data via a wired network conn	ection (e.g., LAN, WAN, VPN, intranet, Int	ernet,	
		etc.)?		Yes	1
	D.6	Transmit/receive private data via an integrated wireles	s network connection (e.g., WiFi, Bluetooth		
		etc.)?		Yes	1
	D.7	Import private data via scanning?		Yes IN/A	
	D.8	Other?	a of two or and for light of the light of th		
	agemen <sup>.</sup> ate Data	hand	-	loes not manufacture	

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Device Class I	Category	Manufacturer Vital Images, Inc.	Document ID VLC-09897	Document Release I 27-Mar-18	Date	
Device		Software Revision		Software Release Da	ato	
	Advanced Visualization	7.8		5-Apr-18	ale	
	Refer to Section 2.3.2	of this standard for the proper	interpretation of information re	quested in this form.	N/A, or	Note #
1	AUTOMATIC LOGOFF ( The device's ability to pr	(ALOF) revent access and misuse by u	nauthorized <b>users</b> if <b>device</b> is	left idle for a period of time.		
1-1		gured to force reauthorization on lock, password protected scre		determined length of inactivity	Yes	1
	time [fixed or con	activity time before auto-logoff, figurable range] in notes.)			Yes	2
	user?	creen lock be manually invoke		roximity sensor, etc.) by the /ital Images does not manufactu	Yes	3
ALOF notes: 2	operating system after the session 2. The length of inactivity.	software and /or components timeout however they will be l inactivity time before auto-log	which may extend these funct logged off when they try to int off has a default of four hours	tions. Some applications may st teract further with the applications of or a user session and 15 min to the key for standard desktop lock	till be displ ons. for applicat	ayed
	The ability to reliably auc	-				
2-1	Can the medical device	create an audit trail?			Yes	1
2-2	Indicate which of the folle	owing events are recorded in th	ne audit log:			
	2-2.1 Login/logout				Yes	1
	2-2.2 Display/presenta		Yes	1		
	2-2.3 Creation/modifica	ation/deletion of data			No	1
	2-2.4 Import/export of a	data from <b>removable media</b>			No	1
	2-2.5 Receipt/transmis	sion of data from/to external (e	.g., network) connection		No	2
	2-2.5.1 Remote se				No	2
	2-2.6 Other events? (d	escribe in the notes section)			N/A	-
2-3	Indicate what information	n is used to identify individual e	vents recorded in the audit log	:	1011	
	2-3.1 User ID		-		Yes	1
	2-3.2 Date/time				Yes	1
AUDT notes:	<ol> <li>The Vitrea so form of DICOM</li> <li>The term "dev operating system</li> </ol>	data and Reports. An audit log vice" herein refers to the Vitrea software and /or components	g is created anytime patient im a® software and /or license.	ta. ePHI information available t nage data is viewed as well as u Vital Images does not manufact tions.	to users is it ser login/lo	goff.
3	AUTHORIZATION (AUT		of upor			
3-1		to determine the authorization access to unauthorized <b>users</b> to		ts or other mechanism?	Yes	1
3-2	Can <b>users</b> be assigned power <b>users</b> , administra	different privilege levels within a tors, etc.)?	an application based on 'roles'	(e.g., guests, regular <b>users</b> ,	Yes	
3-3	application via local root				Yes	1
AUTH notes:		software and /or components		Vital Images does not manufact tions.	ure hardwa	tre or

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Device	Category	Manufacturer	Document ID	Document Release	Date
Class II		Vital Images, Inc.	VLC-10006	Aug-3-2018	
Device	Model	Software Revision		Software Release Da	ate
	Advanced Visualization	7.9		8-Aug-18	
· nicu		1,		0 1145 10	Yes, No, #
	Refer to Section 2.3.2 of t	this standard for the proper	interpretation of information	requested in this form.	N/A, or See Note Z
4	CONFIGURATION OF SEC	URITY FEATURES (CNFS)			
	The ability to configure/re-co	onfigure <b>device security ca</b>	pabilities to meet users' ne	eds.	
4-1	Can the device owner/operation	ator reconfigure product sec	curity capabilities?		Yes 1
CNFS				Vital Images does not manufact	ure hardware or
notes:	2 2 2	-	which may extend these fun	ctions.	
5	CYBER SECURITY PRODU				
	The ability of on-site service	staff, remote service staff,	or authorized customer staff	to install/upgrade device's secur	ity patches.
5-1	Can relevant OS and devic	e security patches be applie	ed to the <b>device</b> as they beco	ome available?	Yes 1,2
	5-1.1 Can security patche	s or other software be instal	led remotely?		Yes 1
			·	on Files, Operating System Secur	
CSUP	÷	-	hardware security and software	, <u>,</u> ,	ity of Service
notes:				Vital Images does not manufactu	re hardware or
	operating system so	ftware and /or components	which may extend these fun	ctions.	
6	HEALTH DATA DE-IDENTI	FICATION (DIDT)			
	The ability of the device to	directly remove information	that allows identification of a	person.	
6-1	Does the <b>device</b> provide an	integral capability to de-ide	ntify private data?		Yes
DIDT					
notes:					
7	DATA BACKUP AND DISA			uoro.	
7.4	-	-	vice data, hardware, or softw		
7-1	Does the <b>device</b> have an in as tape, disk)?	tegral data backup capabilit	y (i.e., backup to remote stor	rage or <b>removable media</b> such	No 1
DTBK	1. The term "device	e" herein refers to the Vitrea	a® software and /or license.	Vital Images does not manufact	ure hardware or
notes:	operating system so	ftware and /or components	which may extend these fun	ctions.	
8	EMERGENCY ACCESS (E	MRG)			
			ase of an emergency situatio	on that requires immediate access	to stored
	private data.		0 7		
8-1	Does the <b>device</b> incorporate	e an <b>emergency access</b> ("b	preak-glass") feature?		No 1
EMRG	1. The term "device	e" herein refers to the Vitrea	a® software and /or license.	Vital Images does not manufact	ure hardware or
notes:	operating system so	ftware and /or components	which may extend these fun	ctions.	
9	HEALTH DATA INTEGRITY	AND AUTHENTICITY (IGA	AU)		
	How the <b>device</b> ensures that the originator.	at data processed by the de	vice has not been altered or	destroyed in an unauthorized ma	nner and is from
9-1	Does the <b>device</b> ensure the	e integrity of stored data with	n implicit or explicit error dete	ection/correction technology?	No 1
IGAU				Vital Images does not manufact	ure hardware or
notes:	operating system so	itware and /or components	which may extend these fun	cuofis.	

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Device	Category	Manufacturer	Document ID	Document Release	Date	
Class I	Π	Vital Images, Inc.	VLC-10006	Aug-3-2018		
Device	Model	Software Revision		Software Release D	ate	
Vitrea	Advanced Visualization	7.9		8-Aug-18		
				I	Yes, No,	#
	Refer to Section 2.3.2 of	this standard for the proper	interpretation of information req	quested in this form.	N/A, or	Note
10					See Note	Ż
10	MALWARE DETECTION/P The ability of the <b>device</b> to		nd remove malicious software (	(malware).		
10-1	Does the <b>device</b> support th	e use of <b>anti-malware</b> softw	vare (or other <b>anti-malware</b> me	chanism)?	Yes	1
	10-1.1 Can the <b>user</b> independent			Sonanioni).	N/A	1
	10-1.2 Does notification of		-		N/A	1
	10-1.3 Can only manufactu	rer-authorized persons repa	ir systems when malware has	been detected?		
					N/A	1
10-2	Can the device owner insta				Yes	1
10-3		ator (technically/physically)	update virus definitions on mar	nufacturer-installed anti-virus	Yes	1
	software?	a doos not provide austomo	ers with Anti-Virus Definition l	Files Operating System Secur		
MLDP notes:	0	<b>.</b>	hardware security and software		ity of Servic	æ
11	NODE AUTHENTICATION	. ,				
	The ability of the <b>device</b> to	authenticate communication	n partners/nodes.			
11-1			uthentication that assures both			
	of data are known to each o	other and are authorized to r	eceive transferred information?		Yes	1
NAUT			a® software and /or license. V which may extend these functi	-	ture hardwar	e or
notes:	operating system se	teware and for components	which may extend these function	0115.		
12	PERSON AUTHENTICATIO	ON (PAUT)				
	Ability of the device to auth	enticate users				
12-1	Does the <b>device</b> support us	ser/operator-specific userna	ame(s) and password(s) for at l	east one <b>user</b> ?	Yes	1
	12-1.1 Does the device sup	port unique user/operator-	specific IDs and passwords for	multiple users?		
					Yes	1
12-2			ough an external authentication	n service (e.g., MS Active		1
	Directory, NDS, LDAP, etc.				Yes	1
12-3	Can the <b>device</b> be configur	ed to lock out a <b>user</b> after a	certain number of unsuccessfu	al logon attempts?	N/A	1
12-4	Can default passwords be o	hanged at/prior to installation	nn?		Yes	1
12-5	Are any shared <b>user</b> IDs us		лт:		No	1
12-6	•		er account passwords that mee	et established complexity		
	rules?			·····	Yes	1
12-7	Can the <b>device</b> be configur	ed so that account passwor	ds expire periodically?		N/A	1
PAUT	1. The term "device	e" herein refers to the Vitre	a® software and /or license. V	ital Images does not manufact	ture hardwar	e or
notes:	operating system so	ftware and /or components	which may extend these function	ons.		
13	PHYSICAL LOCKS (PLOK	)				
	Physical locks can prevent of <b>private data</b> stored on th		vsical access to the <b>device</b> fror media	n compromising the integrity a	nd confidenti	iality
13-1	•		r than <b>removable media</b> ) physica	ally secure (i.e., cannot	NT / A	1
	remove without tools)?	111 C			N/A	1
PLOK notes:			a® software and /or license. V which may extend these function	-	ture hardware	e or
_		-				

Device Category		Manufacturer	Document ID	Document Release	ease Date	
Class II Device Model				Aug-3-2018		
		Software Revision		Software Release D	ate	
Vitrea	Advanced Visualization	7.9		8-Aug-18		
	Refer to Section 2.3.2 of t	his standard for the proper	r interpretation of information rec	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	components within device life cy	/cle.		
			arately purchased and/or delivered	ed) operating system(s) -	See Note	1
	including version number(s) Is a list of other third party a		manufacturer available?			1
17 2					Yes	
RDMP notes:	Microsoft Windows					
15	SYSTEM AND APPLICATIO	ON HARDENING (SAHD)				
	The device's resistance to a	cyber attacks and malware	Э.			
	Does the <b>device</b> employ an industry-recognized hardeni	, 0	lease indicate in the notes the le	evel of conformance to any	Yes	1,
	Does the <b>device</b> employ an program/update is the manual		e-specific hash key, checksums im or software update?	, etc.) to ensure the installed	Yes	3
15-3	Does the <b>device</b> have exter	nal communication capabi	lity (e.g., network, modem, etc.)	?	Yes	3
	Does the file system allow the (NTFS) for MS Windows place		evel access controls (e.g., New T	Technology File System	Yes	3
	applications?		ed use of the device disabled of		Yes	3
15-6	Are all shared resources (e.	g., file shares) which are n	ot required for the intended use	e of the device, disabled?	Yes	3
15-7	Are all communication ports	which are not required for	the intended use of the device	e closed/disabled?	Yes	3
	required for the intended us	se of the device deleted/di			Yes	3
	are not required for the inte	nded use of the device de			No	3
	component)?		media (i.e., a source other than		Yes	3
	tools?		e manufacturer be installed on t		Yes	3
SAHD	options. notes: 2. Conformance: Vu remediation/mitigati	Inerability Monitoring & on procedures. The Vitrea	ode for the client user which pro Response process results in imi a software is analyzed against R a® software and /or license. V	mediate patch testing and MF/ATO DoD A&A standard	ls.	e or
16	SECURITY GUIDANCE (SO			<u> </u>		
	The availability of security g	uidance for <b>operator</b> and a	administrator of the system and	manufacturer sales and servic	æ.	
16-1	Are security-related features	documented for the device	ce user?		Yes	1
	Are instructions available fo of personal or other sensitiv		n (i.e., instructions for how to acl	hieve the permanent deletion	Yes	1
	1. The term "device	" herein refers to the Vitre	ea® software and /or license. V s which may extend these functi		ture hardwai	re or

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Class II		Vital Images, Inc.	VLC-10006	Aug-3-2018		
Device	e Model	Software Revision		Software Release I	Date	1
Vitrea	Advanced Visualization	7.9		8-Aug-18		
<u> </u>					Yes, No,	#
	Refer to Section 2.3.2 of	this standard for the proper	interpretation of information requ	uested in this form.	N/A, or See Note	Note
17	HEALTH DATA STORAGE	E CONFIDENTIALITY (STCF	F)			
	The ability of the <b>device</b> to on <b>device</b> or <b>removable n</b>		s does not compromise the integ	rity and confidentiality of <b>pri</b>	vate data sto	red
17-1	Can the <b>device</b> encrypt da	ta at rest?			No	
STCF notes:						
18	TRANSMISSION CONFID	ENTIALITY (TXCF)				
	The ability of the device to	ensure the confidentiality of	transmitted private data.			
18-1	Can private data be transi	mitted only via a point-to-poi	nt dedicated cable?		N/A	
18-2	Is private data encrypted	prior to transmission via a ne	etwork or removable media? (If y	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 INTEGR	ITY (TXIG)				
19		ITY (TXIG) ensure the integrity of trans	mitted <b>private data</b> .			
<b>19</b> 19-1	The ability of the <b>device</b> to	ensure the integrity of trans	mitted <b>private data</b> . Insure data is not modified during	g transmission? (If yes,	No	
	The ability of the <b>device</b> to Does the <b>device</b> support a describe in the notes section	ensure the integrity of trans		g transmission? (If yes,	No	
19-1 TXIG	The ability of the <b>device</b> to Does the <b>device</b> support a describe in the notes section	ensure the integrity of trans any mechanism intended to e on how this is achieved.)		g transmission? (If yes,	No	
19-1 TXIG notes:	The ability of the <b>device</b> to Does the <b>device</b> support a describe in the notes section OTHER SECURITY CONS	ensure the integrity of trans any mechanism intended to e on how this is achieved.)	ensure data is not modified during	g transmission? (If yes,	No	
19-1 TXIG notes:	The ability of the <b>device</b> to Does the <b>device</b> support a describe in the notes section OTHER SECURITY CONS	ensure the integrity of trans on y mechanism intended to e on how this is achieved.) SIDERATIONS (OTHR) erations/notes regarding me	ensure data is not modified during	g transmission? (If yes,	No Yes	1
19-1 TXIG notes: <b>20</b>	The ability of the <b>device</b> to Does the <b>device</b> support a describe in the notes section OTHER SECURITY CONS Additional security consider Can the <b>device</b> be service	ensure the integrity of trans any mechanism intended to e on how this is achieved.) SIDERATIONS (OTHR) erations/notes regarding me d remotely?	ensure data is not modified during			1
19-1 TXIG notes: <b>20</b> 20-1	The ability of the <b>device</b> to Does the <b>device</b> support a describe in the notes section <b>OTHER SECURITY CONS</b> Additional security conside Can the <b>device</b> be service Can the <b>device</b> restrict ren addresses)?	b ensure the integrity of trans any mechanism intended to e on how this is achieved.) SIDERATIONS (OTHR) erations/notes regarding me d remotely? note access to/from specifie	dical device security.	cations (e.g., specific IP	Yes	
19-1 TXIG notes: <b>20</b> 20-1	The ability of the <b>device</b> to Does the <b>device</b> support a describe in the notes section <b>OTHER SECURITY CONS</b> Additional security conside Can the <b>device</b> be service Can the <b>device</b> restrict ren addresses)? 20-2.1 Can the <b>device</b> be	ensure the integrity of trans any mechanism intended to e on how this is achieved.) SIDERATIONS (OTHR) erations/notes regarding me d remotely? note access to/from specifier configured to require the loc	dical device security.	cations (e.g., specific IP ote access?	Yes Yes Yes	1
19-1 TXIG notes: <b>20</b> 20-1	The ability of the <b>device</b> to Does the <b>device</b> support a describe in the notes section <b>OTHER SECURITY CONS</b> Additional security conside Can the <b>device</b> be service Can the <b>device</b> restrict ren addresses)? 20-2.1 Can the <b>device</b> be 1. Vital Images, Ind	ensure the integrity of trans any mechanism intended to e on how this is achieved.) SIDERATIONS (OTHR) erations/notes regarding me d remotely? note access to/from specifier configured to require the loc	dical device security. d devices or users or network loo al user to accept or initiate remo	cations (e.g., specific IP ote access?	Yes Yes Yes	1
19-1 TXIG notes: <b>20</b> 20-1 20-2	The ability of the <b>device</b> to Does the <b>device</b> support a describe in the notes section <b>OTHER SECURITY CONS</b> Additional security conside Can the <b>device</b> be service Can the <b>device</b> restrict ren addresses)? 20-2.1 Can the <b>device</b> be 1. Vital Images, Ind	ensure the integrity of trans any mechanism intended to e on how this is achieved.) SIDERATIONS (OTHR) erations/notes regarding me d remotely? note access to/from specifier configured to require the loc	dical device security. d devices or users or network loo al user to accept or initiate remo	cations (e.g., specific IP ote access?	Yes Yes Yes	1
19-1 TXIG notes: <b>20</b> 20-1 20-2	The ability of the <b>device</b> to Does the <b>device</b> support a describe in the notes section <b>OTHER SECURITY CONS</b> Additional security conside Can the <b>device</b> be service Can the <b>device</b> restrict ren addresses)? 20-2.1 Can the <b>device</b> be 1. Vital Images, Ind	ensure the integrity of trans any mechanism intended to e on how this is achieved.) SIDERATIONS (OTHR) erations/notes regarding me d remotely? note access to/from specifier configured to require the loc	dical device security. d devices or users or network loo al user to accept or initiate remo	cations (e.g., specific IP ote access?	Yes Yes Yes	1
19-1 TXIG notes: <b>20</b> 20-1 20-2	The ability of the <b>device</b> to Does the <b>device</b> support a describe in the notes section <b>OTHER SECURITY CONS</b> Additional security conside Can the <b>device</b> be service Can the <b>device</b> restrict ren addresses)? 20-2.1 Can the <b>device</b> be 1. Vital Images, Ind	ensure the integrity of trans any mechanism intended to e on how this is achieved.) SIDERATIONS (OTHR) erations/notes regarding me d remotely? note access to/from specifier configured to require the loc	dical device security. d devices or users or network loo al user to accept or initiate remo	cations (e.g., specific IP ote access?	Yes Yes Yes	1
19-1 TXIG notes: <b>20</b> 20-1 20-2	The ability of the <b>device</b> to Does the <b>device</b> support a describe in the notes section <b>OTHER SECURITY CONS</b> Additional security conside Can the <b>device</b> be service Can the <b>device</b> restrict ren addresses)? 20-2.1 Can the <b>device</b> be 1. Vital Images, Ind	ensure the integrity of trans any mechanism intended to e on how this is achieved.) SIDERATIONS (OTHR) erations/notes regarding me d remotely? note access to/from specifier configured to require the loc	dical device security. d devices or users or network loo al user to accept or initiate remo	cations (e.g., specific IP ote access?	Yes Yes Yes	1