



Detailed Response to Protection of Canon Medical Systems Corporation Diagnostic Equipment

Canon Medical Systems USA, Inc. takes protection of PHI, PII, and security of Canon Medical devices very seriously. With the recent release of Ransomware that has crippled many healthcare facilities across the globe, Canon Medical is committed to providing our customers with certain security solutions to minimize any security vulnerabilities.

The type of security offered on Canon Medical devices vary depending on the Operating System (OS) and application software version. The tables below will assist with configurations and availability of enhanced security.

GREEN: System is protected or has the ability to be protected at no cost
YELLOW: System is protected with optional hardware appliance to be installed by TAMS or facility
WHITE: System Information
GREY: System Information or item is Not Applicable
RED: System is not protected and requires installation of any item under the Solution column

	Aquilion Version	Windows OS	Windows Firewall (Default Setting)	McAfee Application Control	Risk Management Framework (RMF)	Solution		Ransomware Blocked
						Service Contract / Warranty	Time and Material	
CT	V1.x	Win2000	n/a	n/a	n/a	SP-Firewall or TVR	Purchaseable Option: eProtect (Part #: RB450G)	No
	V3.x	Win2000	n/a	n/a	n/a	SP-Firewall or TVR	Purchaseable Option: eProtect (Part #: RB450G)	No
	V3.x	WinXP	OFF	n/a	n/a	SP-Firewall or TVR	Purchaseable Option: eProtect (Part #: RB450G)	Yes *
	V4.x	WinXP	OFF	n/a	n/a	SP-Firewall or TVR	Purchaseable Option: eProtect (Part #: RB450G)	Yes *
	V5.x, V6.x, V7.x	WinXP	OFF	n/a	n/a	SP-Firewall or TVR	Purchaseable Option: eProtect (Part #: RB450G)	Yes *
	V5.x, V6.x, V7.x	Win7	OFF (Enabled only with RMF)	ON	Purchaseable Option available (CSAS-001A/1A)	SP-Firewall or TVR	Purchaseable Option: eProtect (Part #: RB450G)	Yes *

*SMBv1 has been disabled

	MR Model/Version	Windows OS	Windows Firewall (Default Setting)	McAfee Application Control	Risk Management Framework (RMF)	Solution		Ransomware Blocked
						Service Contract / Warranty	Time and Material	
MR	Vantage 1.5T (GP Platform)	WinXP	n/a	n/a	n/a	SP-Firewall or TVR	Purchaseable Option: eProtect (Part #: RB450G)	No*
	Titan V1.x, 2.x (Mpower Platform)	WinXP	OFF	n/a	n/a	SP-Firewall or TVR	Purchaseable Option: eProtect (Part #: RB450G)	No*
	Titan V3.x (Mpower Platform)	Win7	OFF (Enabled only with RMF)	ON	Purchaseable Option available	SP-Firewall or TVR	Purchaseable Option: eProtect (Part #: RB450G)	Yes **

*Disabling of SMBv1 is expected

** With Risk Manage Framework enabled

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	UL Model/Version	Windows OS	Windows Firewall (Default Setting)	McAfee Application Control***	Risk Management Framework (RMF)	Solution		Ransomware Blocked
						Service Contract / Warranty	Time and Material	
UL	Aplio XG/MX & Xario XG	WinXP	OFF **	n/a	n/a	n/a	n/a	Yes *
	Xario 100/200	Win7	ON **	Purchasable Option available (USSM-X200A)	Purchasable Option available (USSM-X200A)	n/a	n/a	Yes *
	Aplio 300/400/500 V5.x or earlier	WinXP	OFF **	n/a	n/a	n/a	n/a	Yes *
	Aplio 300/400/500 V6.x or later	Win7	ON **	Purchasable Option available	Purchasable Option available	n/a	n/a	Yes *
	Aplio i-series	Win7	ON **	Purchasable Option available (USSM-AI900A)	Purchasable Option available (USSM-AI900A)	n/a	n/a	Yes *

*SMBv1 has been disabled

** TCP/IP port filtering function that blocks port 445 as default setting.

*** McAfee Application Control is installed as default on productions systems September 1st, 2017

	VL Model/Version	Windows OS	Windows Firewall (Default Setting)	McAfee Application Control	Risk Management Framework (RMF)	Solution		Ransomware Blocked
						Service Contract / Warranty	Time and Material	
VL	Infinix-i V5.x or earlier	WinXP	ON	n/a	n/a	SP-Firewall or TVR	Purchasable Option: eProtect (Part #: RB450G)	Yes
	Infinix-i V6.x or later	Win7	ON	ON	Purchasable Option available (XIDF-SEC802 Infinix) (XIDF-SEC702 AWS)	SP-Firewall or TVR	Purchasable Option: eProtect (Part #: RB450G)	Yes

	XR Model/Version	Windows OS	Windows Firewall (Optional Setting)	McAfee Application Control	Risk Management Framework (RMF)	Solution		Ransomware Blocked
						Service Contract / Warranty	Time and Material	
X-Ray	Radrex V3.6 or earlier EPS+	WinXP	Off	n/a	n/a	SP-Firewall or TVR	Purchasable Option: eProtect (Part #: RB450G)	No
	Radrex V4.1	Win7	Off	Off	n/a	SP-Firewall or TVR	Purchasable Option: eProtect (Part #: RB450G)	No
	Harmony V1.31 or earlier	WinXP	ON	n/a	n/a	SP-Firewall or TVR	Purchasable Option: eProtect (Part #: RB450G)	Yes *
	Harmony V1.5 or later	Win7	ON	Off	n/a	SP-Firewall or TVR	Purchasable Option: eProtect (Part #: RB450G)	Yes *

*SMBv1 has been disabled

InnerVision is a Canon Medical proprietary device that provides 1-1 Network Address Translation (NAT) that is included at no additional charge within all applicable Canon Medical equipment under warranty or service agreements. This isolates the medical equipment on the customer's network and is one of the strongest protection devices available. The only network traffic allowed to communicate with the modality is the IP address and port number that is configured on the hardware device. All other traffic is prevented and not allowed to make it to the modality.

eProtect provides the same hardware firewall capabilities of InnerVision. eProtect is purchasable device to Canon Medical Time & Material (T&M) customers.

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Risk Management Framework (RMF) is a stringent security vulnerability guideline adopted by the Federal Government including the Department of Defense (DoD) and Veteran Affairs (VA).

<http://csrc.nist.gov/groups/SMA/fisma/framework.html>

McAfee Application Control is a Whitelist that blocks unauthorized executables on a proactive basis. Should a malicious attack occur and get installed on the medical device, McAfee will prevent that program from being executed.

<https://www.mcafee.com/us/products/application-control.aspx>

Canon Medical Network Policy:

<http://us.medical.canon/service-and-support/enterprise-integration/network-security-policy/>

Canon Medical PHI Policy:

<http://us.medical.canon/service-and-support/enterprise-integration/phi-removal-policy/>

For security questions or comments: CanonMedicalSystemsSecurity@us.medical.canon

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