VIEWORKS VIVIX-S Final Inspection Report

Model	Detector	FXRD-3643VAW	-	Date	2024-10-07
Scintillator Type		CSI		Inspector	Jimin Jung
Serial Number	Detector	RN: 29	SN: VEABDW238	Approval Result	Accept
Version	Detector	Package or F/W	V1.0.9.4		2024.10.07
		Company Code	32003		
Change Notice				Approval	Kyoungha Song
				CD	
				Equip. No	VWM-16C-001
				Insp. S/W	VIS V2.0.0

1. Basic Quality

LIST	ITEM		Criterion	Check Data	Result
Appearance	Painting, Printing Condition		≤ Scratch 1Point	OK	Pass
	Product Separation Condition		Not to be unscrewed	OK	Pass
	Labeling Condition		Follow the limit label sample	OK	Pass
Initial Operation	Discovery		To be founded	OK	Pass
Interface	Setup Activation		To be normally operated	OK	Pass
	GigE Connection		To be normally operated	OK	Pass
	SSID	Detector	To be matched "vivix"	vivix	Pass
Mac Address	GigE	Detector	To be matched Mac Address	84:EA:99:A3:4B:58	Pass
Cable Fitness	Cable Fitting		To be normally operated	OK	Pass

2. Functional Quality

LIST	ITEM		Criterion	Check Data	Result
LED Status	Detector	Power LED	Green LED On	OK	Pass
		Active LED	N/A	-	-
		Data LED	N/A	-	-
		AP LED	N/A	-	-
		Battery LED	Fully Charged : Green, Charging : Orange	OK	Pass
Self Diagnosis	Detector		No error	OK	Pass
Gyro Sensor	Gyro Sensor Function		To be normally operated	OK	Pass
NFC	NFC Function		N/A	-	-
Wireless speed	5GHZ, 40MHz, 36Ch	Link Quality	≥ 65	70	Pass
		Image Transmission Time	≤ 4500 ms	3098 ms	Pass
		Throughput Bitrate	≥ 45 Mbps	105 Mbps	Pass

3. Image Quality

LIST	ITEM		Criterion	Check Data	Result
Calibration	Offset/Defect /Gain	Upload	To be normally operated	OK	Pass
		Download	To be normally operated	OK	Pass
OSF	OSF		N/A	-	-
Defect quantity	Total Number of Pixel Defects		≤ 20,000 cts	6 cts	Pass
	Number of Line Defects		≤ 5 cts	0 cts	Pass
	Number of less than 3 normal lines between two bad lines		Not to be existed	0 cts	Pass
Trigger	DR Trigger	Chest Phantom	No defect in the image	OK	Pass
	AED	AED on(all)	To be normally operated	OK	Pass
		AED off	To be normally operated	OK	Pass
Resolution	70Kv 2mAs		≥ 3.5 lp/mm	4.0 lp/mm	Pass
Uniformity	Uniformity Test		No abnormality in the image	OK	Pass
Press Test	Press Test		No defect in the image	OK	Pass
Others	Image artifact check during inspection		No defect in the image	OK	Pass

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4. Detective quantum efficiency

LIST	ITEM		Criterion	Check Data	Result
IQC RQA 5	Dark Noise		≤ 5 cts	2.47 cts	Pass
	Offset (Black Image)		500 to 3500 cts	681 cts	Pass
	Sensitivity at G=1		540 to 725 cts/uGy	635 cts/uGy	Pass
	Quantum Limited Dose		≤ 0.1 uGy	0.04 uGy	Pass
	Signal to Noise Ratio		≥ 16 dB	18.16 dB	Pass
	Max. Exposure Level		≥ 82 uGy	94 uGy	Pass
	Dynamic Range		≥ 820 a.u.	2131 a.u.	Pass
	MTF	0.5 lp/mm	≥ 87%	90.12 %	Pass
		1 lp/mm	≥ 70%	73.59 %	Pass
		2 lp/mm	≥ 40%	44.53 %	Pass
		3 lp/mm	≥ 20%	24.19 %	Pass
		4 lp/mm	N/A	- %	-
		5 lp/mm	N/A	- %	-
	DQE	0.5 lp/mm	≥ 39%	57.90 %	Pass
		1 lp/mm	≥ 35%	51.33 %	Pass
		2 lp/mm	≥ 27%	44.81 %	Pass
		3 lp/mm	≥ 18%	28.56 %	Pass
		4 lp/mm	N/A	- %	-
		5 lp/mm	N/A	- %	-

※ We, Vieworks Co., Ltd., declare and certify that the this product is complied with EU RoHS directive(2011/65/EU).

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Model	Detector	FXRD-4343VAW	-	Date	2025-09-08
Scintillator Type		CSI		Inspector	Chanbin
Serial Number	Detector	RN: 29	SN: VIABEW519	Approval Result	Accept
Version	Detector	Package or F/W	V1.0.9.4		2025.09.08
		Company Code	32003		
Change Notice				Approval	Kyoungha Song
				CD	-
				Equip. No	VWM-151-001
				Insp. S/W	VIS V4.0.0

1. Basic Quality

LIST	ITEM		Criterion	Check Data	Result
Appearance	Painting, Printing Condition		≤ Scratch 1Point	OK	Pass
	Product Separation Condition		Not to be unscrewed	OK	Pass
	Labeling Condition		Follow the limit label sample	OK	Pass
Initial Operation	Discovery		To be founded	OK	Pass
Interface	Setup Activation		To be normally operated	OK	Pass
	GigE Connection		To be normally operated	OK	Pass
	SSID	Detector	To be matched "vivix"	vivix	Pass
Mac Address	GigE	Detector	To be matched Mac Address	84:EA:99:A3:63:11	Pass
Cable Fitness	Cable Fitting		To be normally operated	OK	Pass

2. Functional Quality

LIST	ITEM		Criterion	Check Data	Result
LED Status	Detector	Power LED	Green LED On	OK	Pass
		Active LED	N/A	-	-
		Data LED	N/A	-	-
		AP LED	N/A	-	-
		Battery LED	Fully Charged : Green, Charging : Orange	OK	Pass
Self Diagnosis	Detector		No error	OK	Pass
Gyro Sensor	Gyro Sensor Function		To be normally operated	OK	Pass
NFC	NFC Function		N/A	-	-
Wireless speed	5GHZ, 40MHz, 36Ch	Link Quality	≥ 65	70	Pass
		Image Transmission Time	≤ 4500 ms	3186 ms	Pass
		Throughput Bitrate	≥ 45 Mbps	114 Mbps	Pass

3. Image Quality

LIST	ITEM		Criterion	Check Data	Result
Calibration	Offset/Defect /Gain	Upload	To be normally operated	OK	Pass
		Download	To be normally operated	OK	Pass
OSF	OSF		N/A	-	-
Defect quantity	Total Number of Pixel Defects		≤ 20,000 cts	11 cts	Pass
	Number of Line Defects		≤ 5 cts	0 cts	Pass
	Number of less than 3 normal lines between two bad lines		Not to be existed	0 cts	Pass
Trigger	DR Trigger	Chest Phantom	No defect in the image	OK	Pass
	AED	AED on(all)	To be normally operated	OK	Pass
		AED off	To be normally operated	OK	Pass
Resolution	70Kv 2mAs		≥ 3.5 lp/mm	4.0 lp/mm	Pass
Uniformity	Uniformity Test		No abnormality in the image	OK	Pass
Press Test	Press Test		No defect in the image	OK	Pass
Others	Image artifact check during inspection		No defect in the image	OK	Pass

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4. Detective quantum efficiency

LIST	ITEM		Criterion	Check Data	Result
IQC RQA 5	Dark Noise		≤ 5 cts	2.50 cts	Pass
	Offset (Black Image)		500 to 3500 cts	725 cts	Pass
	Sensitivity at G=1		540 to 725 cts/uGy	596 cts/uGy	Pass
	Quantum Limited Dose		≤ 0.1 uGy	0.05 uGy	Pass
	Signal to Noise Ratio		≥ 16 dB	18.34 dB	Pass
	Max. Exposure Level		≥ 82 uGy	100 uGy	Pass
	Dynamic Range		≥ 820 a.u.	2140 a.u.	Pass
	MTF	0.5 lp/mm	≥ 87%	90.45 %	Pass
		1 lp/mm	≥ 70%	73.08 %	Pass
		2 lp/mm	≥ 40%	43.69 %	Pass
		3 lp/mm	≥ 20%	23.68 %	Pass
		4 lp/mm	N/A	- %	-
		5 lp/mm	N/A	- %	-
	DQE	0.5 lp/mm	≥ 39%	59.92 %	Pass
		1 lp/mm	≥ 35%	52.46 %	Pass
		2 lp/mm	≥ 27%	43.31 %	Pass
		3 lp/mm	≥ 18%	28.31 %	Pass
		4 lp/mm	N/A	- %	-
		5 lp/mm	N/A	- %	-

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