

TBD

VIVIX Series

Medical X-ray Flat Panel Detectors

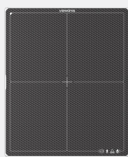
Built on Viewworks' proven expertise in imaging technology, the VIVIX Series delivers exceptional image clarity, fast acquisition speed, and superior stability. Engineered for precision and reliability, it stands as the choice for excellence in digital radiography.

LINE-UP

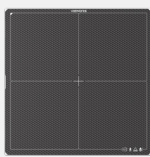
Static



2530FW



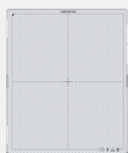
3643FW



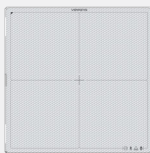
4343FW



4386W



3643VR



4343VR



2530VW



3643VW

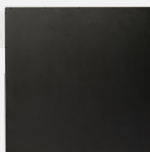


4343VW

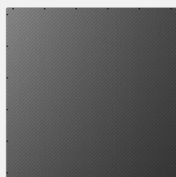


2532P

*VET



1717V



4747V



1751S

10 × 12 inch
25 × 30/32 cm

14 × 17 inch
36 × 43 cm

17 × 17 inch
43 × 43 cm

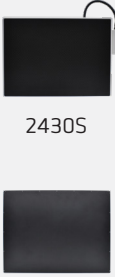
18 × 18 inch
47 × 47 cm

17 × 51 inch
43 × 129 cm

Dynamic

						
1017R	0606C	1717R 1717RH	2323G	1012C	3131R	1717G
						
		1724R 1724RH		1012CH	3131G	
04 × 07 inch 10 × 17 cm	06 × 06 inch 15 × 15 cm	07 × 07 inch 17 × 17 cm	09 × 09 inch 23 × 23 cm	10 × 12 inch 25 × 32 cm	12 × 12 inch 30 × 30 cm	17 × 17 inch 43 × 43 cm

Mammography

	
1824S	2430S 2430D
08 × 10 inch 18 × 24 cm	10 × 12 inch 24 × 30 cm

CMOS Line Sensor

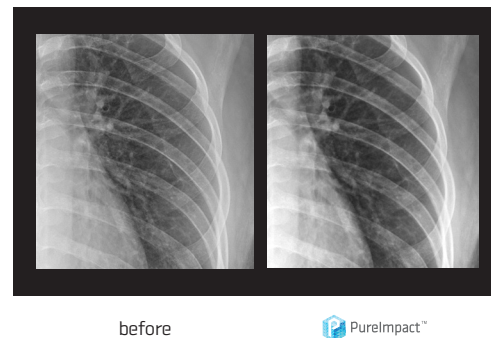
	
1501C	2301C
15 × 1 cm	23 × 1 cm

TECHNOLOGY



Image Processing with Supreme Image Quality

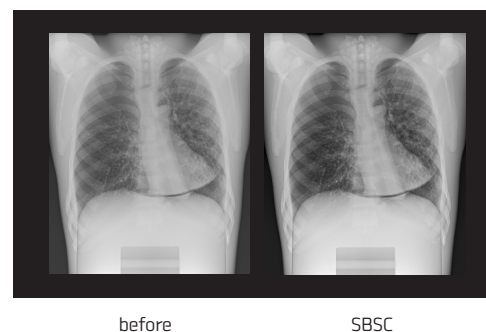
PureImpact™ is a post image processing algorithm to provide supreme image quality. Various preset parameters are optimized for each target examination. Advanced features like soft tissue delineation and non-grid chest processing support efficient diagnosis.



Software-Based Scatter Correction (SBSC)

Ultimate Realization of Anti-scatter Grid

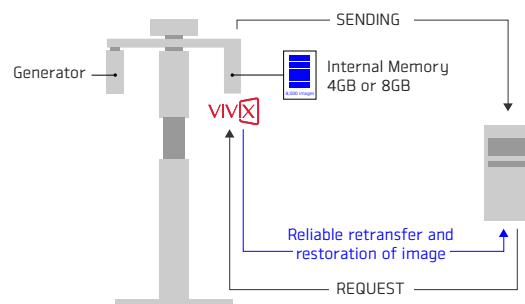
Vieworks' software grid algorithm eliminates the scattering effect of x-ray to produce clearer images. SBSC is especially useful for environments where the hardware grid is not available such as mobile systems or full-body examinations. SBSC is designed with high convenience for both radiologists and patients.



safe™

Stable Operation by Preventing Loss of Data

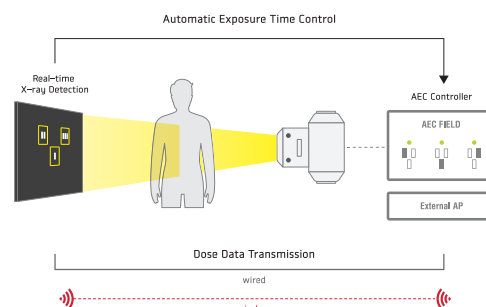
SAFE™ enables detector to save, restore, and retransfer all x-ray images by using the internal memory of the detector. Physicians can see the entire images without any loss of data as it ensures reliable image acquisition in case of unexpected situation like LAN plug-off or any PC errors. Reducing CPU, memory, network load also helps detectors to operate stably.



AEC Solution

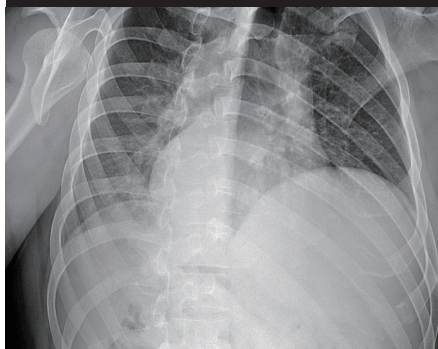
Automated Exposure Control for Optimized Dose Setting

Automated Exposure Control (AEC) feature automatically adjusts exposure parameters in real-time, ensuring that each X-ray captures the finest details. With this feature, users can effortlessly achieve superior image quality, ensuring the best possible outcomes for patients.



APPLICATION

01 General Radiography



VIVIX-S 2530FW
VIVIX-S 3643FW
VIVIX-S 4343FW
VIVIX-S 2530VW
VIVIX-S 3643VW
VIVIX-S 4343VW
VIVIX-S 3643VR
VIVIX-S 4343VR
VIVIX-S 4747V
VIVIX-S 4386W
VIVIX-S 1751S

02 Veterinary



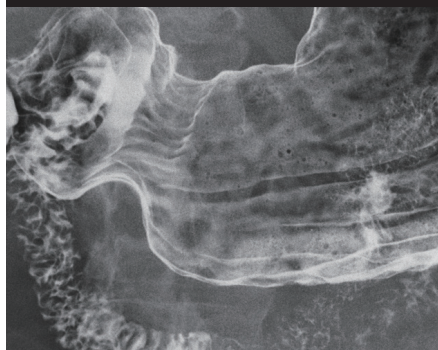
VIVIX-S 2530FW
VIVIX-S 3643FW
VIVIX-S 4343FW
VIVIX-S 1717V
VIVIX-S 2530VW
VIVIX-S 3643VW
VIVIX-S 4343VW
VIVIX-S 3643VR
VIVIX-S 4343VR
VIVIX-V 2532P

03 Dental



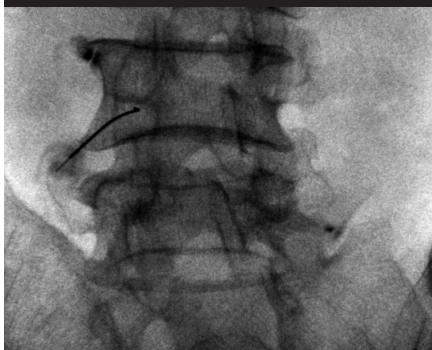
VIVIX-C 1501C
VIVIX-C 2301C
VIVIX-D 1017R
VIVIX-D 1717R
VIVIX-D 1717RH
VIVIX-D 1724R
VIVIX-D 1724RH
VIVIX-D 0606C
VIVIX-D 1012CH
VIVIX-D 1012C

04 Radiography & Fluoroscopy



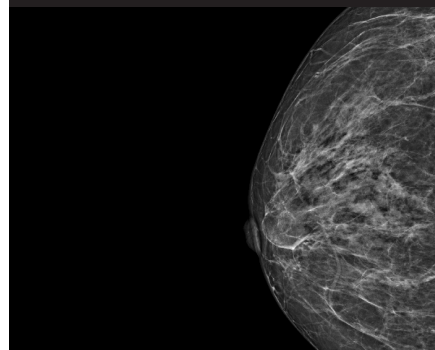
VIVIX-D 1717G

05 Mobile C-arm



VIVIX-D 2323G
VIVIX-D 3131R
VIVIX-D 3131G

06 Mammography



VIVIX-M 1824S
VIVIX-M 2430S
VIVIX-M 2430D



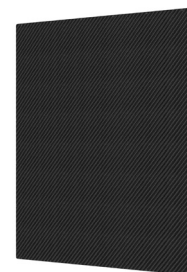
VIVIX-S 2530FW



VIVIX-S 3643FW



VIVIX-S 4343FW



VIVIX-S 4747V

Model Name		FXRD-2530FAW	FXRD-3643FAW	FXRD-4343FAW	FXRD-4747VA FXRD-4747VB
Technology		a-Si Flexible TFT	a-Si Flexible TFT	a-Si Flexible TFT	a-Si TFT
Scintillator		Flexible CsI	Flexible CsI	Flexible CsI	CsI / Gadox
Pixel Pitch		99 μm	99 μm	99 μm	140 μm
Spatial Resolution		5.0 lp/mm	5.0 lp/mm	5.0 lp/mm	3.5 lp/mm
Pixel Matrix		2524 × 3036 pixels	3548 × 4316 pixels	4316 × 4316 pixels	3328 × 3328 pixels
Image Size		25 cm × 30 cm	36 cm × 43 cm	43 cm × 43 cm	47.0 cm × 47.0 cm
Grayscale		16 bits	16 bits	16 bits	16 bits
Image Acquisition Time		3 sec.	4 sec.	4 sec.	3 sec.
Recommended Cycle Time		5 sec.	7 sec.	7 sec.	15 sec.
Multi-frame Mode		–	6 fps (full image, 10 s)	6 fps (full image, 8 s)	–
Data Interface		Gigabit Ethernet (wired) IEEE802.11n/ac (wireless)	Gigabit Ethernet (wired) IEEE802.11n/ac (wireless)	Gigabit Ethernet (wired) IEEE802.11n/ac (wireless)	Gigabit Ethernet
X-ray Generator Interface		DR Trigger Mode / AED Mode	DR Trigger Mode / AED Mode	DR Trigger Mode / AED Mode	DR Trigger Mode / AED Mode
Dimensions		28.3 cm × 33.3 cm × 1.5 cm	38.4 cm × 46.0 cm × 1.5 cm	46.0 cm × 46.0 cm × 1.5 cm	46.0 cm × 46.0 cm × 1.5 cm
Weight	1 battery	1.7 kg	2.4 kg	2.95 kg	5.25 kg
	2 batteries	–	2.6 kg	3.15 kg	5.5 kg
Battery		Lithium Ion 3,400mAh × 1 8 h (standby) * 1,500 images at a 15 sec. cycle	Lithium Ion 3,400mAh × 2 16 h (standby) * 3,000 images at a 15 sec. cycle	Lithium Ion 3,400mAh × 2 16 h (standby) * 3,000 images at a 15 sec. cycle	–
Dust and Water Resistant		IP67	IP67	IP67	–
X-ray Voltage Range		40 – 150kVp	40 – 150 kVp	40 – 150 kVp	40 – 150 kVp
Operating Environment		0°C to 40°C 5 % to 90 % RH (non-condensing)	0°C to 40°C 5 % to 90 % RH (non-condensing)	0°C to 40°C 5 % to 90 % RH (non-condensing)	0°C to 40°C 5 % to 90 % RH (non-condensing)
Power Consumption		Normal: Max. 24W Charging: Max. 50W	Normal: Max. 24W Charging: Max. 80W	Normal: Max. 24W Charging: Max. 80W	Normal: Max. 15W Charging: Max. 50W
AEC Solution (Option)		–	Wireless	Wireless	Wired

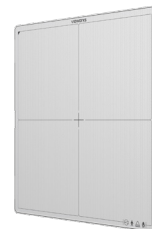
* Specifications are subject to change without prior notice.



VIVIX-S 2530VW



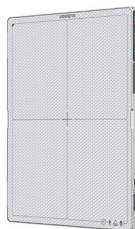
VIVIX-S 3643VW



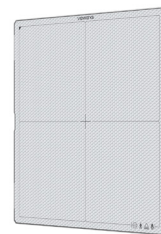
VIVIX-S 4343VW

Model Name		FXRD-2530VAW FXRD-2530VAW PLUS		FXRD-3643VAW FXRD-3643VAW PLUS		FXRD-4343VAW FXRD-4343VAW PLUS	
Technology		a-Si TFT		a-Si TFT		a-Si TFT	
Scintillator		CsI		CsI		CsI	
Pixel Pitch		124 μ m		140 μ m		140 μ m	
Spatial Resolution		4.0 lp/mm		3.5 lp/mm		3.5 lp/mm	
Pixel Matrix		2048 × 2560 pixels		2560 × 3072 pixels		3072 × 3072 pixels	
Image Size		25.4 cm × 31.7 cm		35.8 cm × 43.0 cm		43.0 cm × 43.0 cm	
Grayscale		16 bits		16 bits		16 bits	
Image Acquisition Time		3 sec.		3 sec.		3 sec.	
Recommended Cycle Time		4 sec.		4 sec.		4 sec.	
Data Interface		Gigabit Ethernet IEEE 802.11n / ac		Gigabit Ethernet IEEE 802.11n / ac		Gigabit Ethernet IEEE 802.11n / ac	
X-ray Generator Interface		DR Trigger Mode / AED Mode		DR Trigger Mode / AED Mode		DR Trigger Mode / AED Mode	
Dimensions		28.7 cm × 35.0 cm × 1.5 cm		38.4 cm × 46.0 cm × 1.5 cm		46.0 cm × 46.0 cm × 1.5 cm	
Weight	1 battery	1.95 kg	2.1kg	2.95 kg	3.1 kg	3.45 kg	3.7 kg
	2 batteries	–	–	3.15 kg	3.3 kg	3.65 kg	3.9 kg
Battery		Lithium Ion 3,400mAh x 1 8 h (standby) * 1,500 images at a 15 sec. cycle		Lithium Ion 3,400mAh x 2 16 h (standby) * 3,000 images at a 15 sec. cycle		Lithium Ion 3,400mAh x 2 16 h (standby) * 3,000 images at a 15 sec. cycle	
Dust and Water Resistant		IP67		IP67		IP67	
X-ray Voltage Range		40 – 150 kVp		40 – 150 kVp		40 – 150 kVp	
Operating Environment		0°C to 40°C 5 % to 90 % RH (non-condensing)		0°C to 40°C 5 % to 90 % RH (non-condensing)		0°C to 40°C 5 % to 90 % RH (non-condensing)	
Power Consumption		Normal: Max. 15W Charging: Max. 50W		Normal: Max. 24W Charging: Max. 80W		Normal: Max. 24W Charging: Max. 80W	

* Specifications are subject to change without prior notice.



VIVIX-S 3643VR



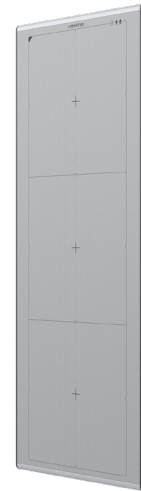
VIVIX-S 4343VR

Model Name		FXRD-3643VRAW FXRD-3643VRAW PLUS		FXRD-4343VRAW FXRD-4343VRAW PLUS	
Technology		a-Si TFT		a-Si TFT	
Scintillator		CsI		CsI	
Pixel Pitch		99 μm		99 μm	
Spatial Resolution		5.0 lp/mm		5.0 lp/mm	
Pixel Matrix		3548 $\times$ 4316 pixels		4316 $\times$ 4316 pixels	
Image Size		35.1 cm $\times$ 42.7 cm		42.7 cm $\times$ 42.7 cm	
Grayscale		16 bits		16 bits	
Image Acquisition Time		3 sec. (wired) 4 sec. (wireless)		3 sec. (wired) 4.5 sec. (wireless)	
Recommended Cycle Time		7 sec.		7 sec.	
Data Interface		Gigabit Ethernet IEEE 802.11n/ac		Gigabit Ethernet IEEE802.11n/ac	
X-ray Generator Interface		DR Trigger Mode / AED Mode		DR Trigger Mode / AED Mode	
Dimensions		38.0 cm $\times$ 46.0 cm $\times$ 1.5 cm		46.0 cm $\times$ 46.0 cm $\times$ 1.5 cm	
Weight	1 battery	3.05 kg	3.2 kg	3.55 kg	3.8 kg
	2 batteries	3.25 kg	3.4 kg	3.75 kg	4.0 kg
Battery		Lithium Ion 3,400mAh $\times$ 2 16 h (standby) * 3,000 images at a 15 sec. cycle		Lithium Ion 3,400mAh $\times$ 2 16 h (standby) * 3,000 images at a 15 sec. cycle	
Dust and Water Resistant		IP68		IP68	
X-ray Voltage Range		40 – 150kVp		40 – 150 kVp	
Operating Environment		0°C to 40°C 5 % to 90 % RH (non-condensing)		0°C to 40°C 5 % to 90 % RH (non-condensing)	
Power Consumption		Normal: Max. 24W Charging: Max. 80W		Normal: Max. 24W Charging: Max. 80W	

* Specifications are subject to change without prior notice.



VIVIX-S 4386W



VIVIX-S 1751S

Model Name	FXRD-4386WA FXRD-4386WB	FXRD-1751SA FXRD-1751SB
Technology	a-Si TFT	a-Si TFT
Scintillator	CsI / Gadox	CsI / Gadox
Pixel Pitch	140 μ m	140 μ m
Spatial Resolution	3.5 lp/mm	3.5 lp/mm
Pixel Matrix	3072 $\times$ 6144 pixels 3072 $\times$ 3072 pixels	3072 $\times$ 9216 pixels 3072 $\times$ 6144 pixels 3072 $\times$ 3072 pixels
Image Size	17" $\times$ 34" (43 cm $\times$ 86 cm) 17" $\times$ 17" (43 cm $\times$ 43 cm)	17" $\times$ 51" (43.0 cm $\times$ 129.0 cm) 17" $\times$ 34" (43.0 cm $\times$ 86.0 cm) 17" $\times$ 17" (43.0 cm $\times$ 43.0 cm)
Grayscale	16 bits	16 bits
Image Acquisition Time	10 sec.	8 sec.
Recommended Cycle Time	12 sec.	15 sec.
Data Interface	Gigabit Ethernet	Gigabit Ethernet
X-ray Generator Interface	DR Trigger Mode / AED Mode	DR Trigger Mode / AED Mode
Dimensions	90 cm $\times$ 46.5 cm $\times$ 1.8 cm	135.7 cm $\times$ 53.2 cm $\times$ 3.0 cm
Weight	8 kg	19.7 kg
Battery	Lithium Ion 3,400mAh x 2 10 h (standby)	-
X-ray Voltage Range	40 – 150 kVp	40 – 150 kVp
Operating Environment	10°C to 35°C 30 % to 85 % (non-condensing)	10°C to 35°C 30 % to 85 % RH (non-condensing)
Power Consumption	DC 24 V, 1.1 A	DC 24 V, 3.0 A

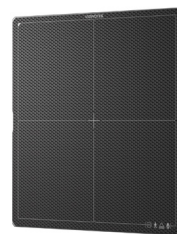
* Specifications are subject to change without prior notice.



VIVIX-S 2530FW



VIVIX-S 3643FW



VIVIX-S 4343FW

Model Name		FXRD-2530FAW	FXRD-3643FAW	FXRD-4343FAW
Technology		a-Si Flexible TFT	a-Si Flexible TFT	a-Si Flexible TFT
Scintillator		Flexible CsI	Flexible CsI	Flexible CsI
Pixel Pitch		99 μm	99 μm	99 μm
Spatial Resolution		5.0 lp/mm	5.0 lp/mm	5.0 lp/mm
Pixel Matrix		2524 × 3036 pixels	3548 × 4316 pixels	4316 × 4316 pixels
Image Size		25 cm × 30 cm	36 cm × 43 cm	43 cm × 43 cm
Grayscale		16 bits	16 bits	16 bits
Image Acquisition Time		3 sec.	4 sec.	4 sec.
Recommended Cycle Time		5 sec.	7 sec.	7 sec.
Multi-frame Mode		–	6 fps (full image, 10 s)	6 fps (full image, 8 s)
Data Interface		Gigabit Ethernet (wired) IEEE802.11n/ac (wireless)	Gigabit Ethernet (wired) IEEE802.11n/ac (wireless)	Gigabit Ethernet (wired) IEEE802.11n/ac (wireless)
X-ray Generator Interface		DR Trigger Mode / AED Mode	DR Trigger Mode / AED Mode	DR Trigger Mode / AED Mode
Dimensions		28.3 cm × 33.3 cm × 1.5 cm	38.4 cm × 46.0 cm × 1.5 cm	46.0 cm × 46.0 cm × 1.5 cm
Weight	1 battery	1.7 kg	2.4 kg	2.95 kg
	2 batteries	–	2.6 kg	3.15 kg
Battery		Lithium Ion 3,400mAh × 1 8 h (standby) * 1,500 images at a 15 sec. cycle	Lithium Ion 3,400mAh × 2 16 h (standby) * 3,000 images at a 15 sec. cycle	Lithium Ion 3,400mAh × 2 16 h (standby) * 3,000 images at a 15 sec. cycle
Dust and Water Resistant		IP67	IP67	IP67
X-ray Voltage Range		40 – 150kVp	40 – 150 kVp	40 – 150 kVp
Operating Environment		0°C to 40°C 5 % to 90 % RH (non-condensing)	0°C to 40°C 5 % to 90 % RH (non-condensing)	0°C to 40°C 5 % to 90 % RH (non-condensing)
Power Consumption		Normal: Max. 24W Charging: Max. 50W	Normal: Max. 24W Charging: Max. 80W	Normal: Max. 24W Charging: Max. 80W
AEC Solution (Option)		–	Wireless	Wireless

* Specifications are subject to change without prior notice.



VIVIX-S 2530VW



VIVIX-S 3643VW



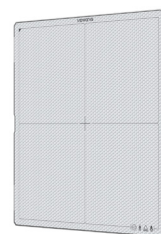
VIVIX-S 4343VW

Model Name		FXRD-2530VAW FXRD-2530VAW PLUS		FXRD-3643VAW FXRD-3643VAW PLUS		FXRD-4343VAW FXRD-4343VAW PLUS	
Technology		a-Si TFT		a-Si TFT		a-Si TFT	
Scintillator		CsI		CsI		CsI	
Pixel Pitch		124 μm		140 μm		140 μm	
Spatial Resolution		4.0 lp/mm		3.5 lp/mm		3.5 lp/mm	
Pixel Matrix		2048 × 2560 pixels		2560 × 3072 pixels		3072 × 3072 pixels	
Image Size		25.4 cm × 31.7 cm		35.8 cm × 43.0 cm		43.0 cm × 43.0 cm	
Grayscale		16 bits		16 bits		16 bits	
Image Acquisition Time		3 sec.		3 sec.		3 sec.	
Recommended Cycle Time		4 sec.		4 sec.		4 sec.	
Data Interface		Gigabit Ethernet IEEE 802.11n / ac		Gigabit Ethernet IEEE 802.11n / ac		Gigabit Ethernet IEEE 802.11n / ac	
X-ray Generator Interface		DR Trigger Mode / AED Mode		DR Trigger Mode / AED Mode		DR Trigger Mode / AED Mode	
Dimensions		28.7 cm × 35.0 cm × 1.5 cm		38.4 cm × 46.0 cm × 1.5 cm		46.0 cm × 46.0 cm × 1.5 cm	
Weight	1 battery	1.95 kg	2.1 kg	2.95 kg	3.1 kg	3.45 kg	3.7 kg
	2 batteries	–	–	3.15 kg	3.3 kg	3.65 kg	3.9 kg
Battery		Lithium Ion 3,400mAh x 1 8 h (standby) * 1,500 images at a 15 sec. cycle		Lithium Ion 3,400mAh x 2 16 h (standby) * 3,000 images at a 15 sec. cycle		Lithium Ion 3,400mAh x 2 16 h (standby) * 3,000 images at a 15 sec. cycle	
Dust and Water Resistant		IP67		IP67		IP67	
X-ray Voltage Range		40 – 150 kVp		40 – 150 kVp		40 – 150 kVp	
Operating Environment		0°C to 40°C 5 % to 90 % RH (non-condensing)		0°C to 40°C 5 % to 90 % RH (non-condensing)		0°C to 40°C 5 % to 90 % RH (non-condensing)	
Power Consumption		Normal: Max. 15W Charging: Max. 50W		Normal: Max. 24W Charging: Max. 80W		Normal: Max. 24W Charging: Max. 80W	

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VIVIX-S 3643VR



VIVIX-S 4343VR

Model Name		FXRD-3643VRAW FXRD-3643VRAW PLUS		FXRD-4343VRAW FXRD-4343VRAW PLUS	
Technology		a-Si TFT		a-Si TFT	
Scintillator		CsI		CsI	
Pixel Pitch		99 μ m		99 μ m	
Spatial Resolution		5.0 lp/mm		5.0 lp/mm	
Pixel Matrix		3548 $\times$ 4316 pixels		4316 $\times$ 4316 pixels	
Image Size		35.1 cm $\times$ 42.7 cm		42.7 cm $\times$ 42.7 cm	
Grayscale		16 bits		16 bits	
Image Acquisition Time		3 sec. (wired) 4 sec. (wireless)		3 sec. (wired) 4.5 sec. (wireless)	
Recommended Cycle Time		7 sec.		7 sec.	
Data Interface		Gigabit Ethernet IEEE 802.11n/ac		Gigabit Ethernet IEEE 802.11n/ac	
X-ray Generator Interface		DR Trigger Mode / AED Mode		DR Trigger Mode / AED Mode	
Dimensions		38.0 cm $\times$ 46.0 cm $\times$ 1.5 cm		46.0 cm $\times$ 46.0 cm $\times$ 1.5 cm	
Weight	1 battery	3.05 kg	3.2 kg	3.55 kg	3.8 kg
	2 batteries	3.25 kg	3.4 kg	3.75 kg	4.0 kg
Battery		Lithium Ion 3,400mAh x 2 16 hours (standby) *3,000 images at 15 sec. cycle		Lithium Ion 3,400mAh x 2 16 hours (standby) *3,000 images at 15 sec. cycle	
Dust and Water Resistant		IP68		IP68	
X-ray Voltage Range		40 – 150 kVp		40 – 150 kVp	
Operating Environment		0°C to 40°C 5 % to 90% (non-condensing)		0°C to 40°C 5 % to 90% (non-condensing)	
Power Consumption		Normal: Max. 24W Charging: Max. 80W		Normal: Max. 24W Charging: Max. 80W	

* Specifications are subject to change without prior notice.



VIVIX-S 1717V



VIVIX-V 2532P

Model Name	FXRD-1717VA FXRD-1717VB	VXTD-2532EAW
Technology	a-Si TFT	a-Si TFT
Scintillator	CsI / Gadox	CsI / Gadox
Pixel Pitch	140 μm	124 μm
Spatial Resolution	3.5 lp/mm	4.0 lp/mm
Pixel Matrix	3072 $\times$ 3072 pixels	2048 $\times$ 2560 pixels
Image Size	17" $\times$ 17" (43.0 cm $\times$ 43.0 cm)	10" $\times$ 12" (25.4 cm $\times$ 31.7 cm)
Grayscale	16 bits	16 bits
Image Acquisition Time	2 sec.	Wired: 1.5 sec. Wireless: 3 sec.
Recommended Cycle Time	15 sec.	–
Data Interface	Gigabit Ethernet	PoE Gigabit Ethernet IEEE 802.11n / ac
X-ray Generator Interface	DR Trigger Mode / AED Mode	DR Trigger Mode / AED Mode
Dimensions	46.0 cm $\times$ 46.0 cm $\times$ 1.5 cm	32.2 cm $\times$ 35.5 cm $\times$ 1.7 cm
Weight	4.5 kg	2.7 kg
Battery	–	8 h (capturing) 9 h (standby)
Dust and Water Resistant	–	IP67
X-ray Voltage Range	40 – 150 kVp	40 – 150 kVp
Operating Environment	10°C to 35°C 30 % to 85 % RH (non-condensing)	–20°C to +50°C 30 % to 85 % RH (non-condensing)
Power Consumption	DC 24 V, 0.6 A	DC 24 V, 0.8 A

* Specifications are subject to change without prior notice.



VIVIX-C 1501C



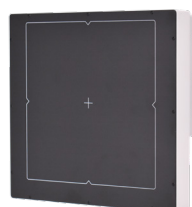
VIVIX-C 2301C
*Cephalometry

Model Name	FXCD-1501CA	FXCD-2301CA
Application	Panoramic	Panoramic-Cephalo
Technology	CMOS	CMOS
Scintillator	CsI	CsI
Pixel Pitch	100 μm	100 μm
Spatial Resolution	5.0 lp/mm	5.0 lp/mm
Pixels Matrix	1483 × 76 pixels	2331 × 76 pixels
Image Size	148.3 mm × 7.6 mm	233.1 mm × 7.6 mm
Grayscale	14 bits	14 bits
Maximum Frame Rate	Full size: 350 fps 2x2 binning: 700 fps	Full size: 350 fps 2x2 binning: 700 fps
X-ray Voltage Range	40 – 125 kVp	40 – 125 kVp
Data Interface	1 port Gigabit Ethernet	1 port Gigabit Ethernet
Data Transmission Rate (Wired)	Max. 1 Gbps	Max. 1 Gbps
Power Consumption	DC 12 V, 0.8 A	DC 12 V, 0.8 A

* Specifications are subject to change without prior notice.



VIVIX-D 1017R



VIVIX-D 1717R

⇒ VIVIX-D 1717RH



VIVIX-D 1724R

⇒ VIVIX-D 1724RH

Model Name	FXDD-1017RA	FXDD-1717RA FXDD-1717RHA	FXDD-1724RA FXDD-1724RHA
Technology	IGZO TFT	IGZO TFT	IGZO TFT
Scintillator	CsI	CsI	CsI
Pixel Pitch	95 μ m	95 μ m	95 μ m
Spatial Resolution	5.2 lp/mm	5.2 lp/mm	5.2 lp/mm
Pixel Matrix	1024 × 1792 pixels	1792 × 1792 pixels	1792 × 2560 pixels
Image Size	3.8" × 6.7" (9.7 cm × 17.0 cm)	6.7" × 6.7" (17.0 cm × 17.0 cm)	6.7" × 9.5" (17.0 cm × 24.0 cm)
Grayscale	16 bits	16 bits	16 bits
Maximum Frame Rate	Full size: 30 fps 2x2 binning: 60 fps 3x3 binning: 90 fps Panoramic scan: 300 fps	Full size: 28 / 80 fps 2x2 binning: 56 / 160 fps 3x3 binning: 84 fps / - Panoramic scan: 300 / 400 fps	Full size: 28 / 60fps 2x2 binning: 56 / 120fps 3x3 binning: 84 fps / - Panoramic scan: 300 / 400 fps
Data Interface	Gigabit Ethernet	2.5base-T / 10Gbase-T (Gigabit Ethernet Compatible)	2.5base-T / 10Gbase-T (Gigabit Ethernet Compatible)
Dimensions	18.4 cm × 19.7 cm × 5.0 cm	21.0 cm × 19.7 cm × 4.5 cm	21.2 cm × 27.4 cm × 4.5 cm
Weight	1.9 kg	2.2 kg	2.9 kg
Boot-up Time	10 sec.	10 sec.	10 sec.
Packet Loss Prevention	Available	Available	Available
Operating Environment	10 °C to 40 °C 10 % to 90 % RH (non-condensing)	10 °C to 40 °C 10 % to 90 % RH (non-condensing)	10 °C to 40 °C 10 % to 90 % RH (non-condensing)
Power Consumption	DC 12 V, 1.3 A	DC 12 V, 1.5 A / 2 A	DC 12 V, 1.8 A / 2.5 A

* Specifications are subject to change without prior notice.



VIVIX-D 0606C



VIVIX-D 1012CH



VIVIX-D 1012C

*Cephalometry

Model Name	FXDD-0606CA	FXDD-1012CHA	FXDD-1012CA FXDD-1012CB
Technology	a-Si TFT	a-Si TFT	a-Si TFT
Scintillator	CsI	CsI	CsI / Gadox
Pixel Pitch	119 μm	124 μm	124 μm
Spatial Resolution	4.2 lp/mm	4.0 lp/mm	4.0 lp/mm
Pixel Matrix	1280 $\times$ 1280 pixels	2048 $\times$ 2560 pixels	2048 $\times$ 2560 pixels
Image Size	6" $\times$ 6" (15.2 cm $\times$ 15.2 cm)	10" $\times$ 12" (25.4 cm $\times$ 31.7 cm)	10" $\times$ 12" (25.4 cm $\times$ 31.7 cm)
Grayscale	16 bits	16 bits	16 bits
Maximum Frame Rate	Full size: 24 / 34 fps 2x2 binning: 56 / 67 fps Panoramic scan: 340 fps	Full size: 22 fps 2x2 binning: 44 fps Panoramic scan: 340 fps	–
Data Interface	Gigabit Ethernet	Dual Gigabit Ethernet	Gigabit Ethernet
Dimensions	19.6 cm $\times$ 18.1 cm $\times$ 5.0 cm	28.5 cm $\times$ 34.3 cm $\times$ 4.5 cm	34.3 cm $\times$ 28.5 cm $\times$ 4.5 cm
Weight	2.0 kg	4.0 kg	4.0 kg
Boot-up Time	less than 10 sec.	less than 10 sec.	less than 20 sec.
Packet Loss Prevention	Available	Available	–
Operating Environment	10°C to 35°C 30 % to 85 % RH (non-condensing)	10°C to 35°C 30 % to 85 % RH (non-condensing)	10°C to 35°C 30 % to 85 % RH (non-condensing)
Power Consumption	DC 12 V, 1.5 A	DC 12 V, 2.5 A	DC 12 V, 1.5 A

* Specifications are subject to change without prior notice.



VIVIX-D 1717G

Model Name	FXDD-1717GA
Technology	IGZO TFT
Scintillator	CsI
Pixel Pitch	140 μm
Spatial Resolution	3.5 lp/mm
Pixel Matrix	3072 × 3072 pixels
Image Size	17" × 17" (43.0 cm × 43.0 cm)
Grayscale	16 bits
Maximum Frame Rate	Full size: 15 fps 2x2 binning: 20 / 30 fps 3x3 binning: 30 / 45 fps
Data Interface	Nbase-T Ethernet
Dimensions	47.1 cm × 47.1 cm × 3.5 cm
Weight	9.1 kg
Boot-up Time	less than 30 sec.
Operating Environment	10°C to 35°C 30 % to 85 % RH (non-condensing)
Power Consumption	DC 24 V, 1.7 A

* Specifications are subject to change without prior notice.



VIVIX-D 2323G



VIVIX-D 3131G



VIVIX-D 3131R

Model Name	FXDD-2323GA	FXDD-3131GA	FXDD-3131RA
Technology	IGZO TFT	IGZO TFT	IGZO TFT
Scintillator	CsI	CsI	CsI
Pixel Pitch	148 μm	148 μm	100 μm
Spatial Resolution	3.3 lp/mm	3.3 lp/mm	5 lp/mm
Active Area	227.328 mm $\times$ 227.328 mm	303.104 mm $\times$ 303.104 mm	307.200 mm $\times$ 307.200 mm
Pixel Matrix	1536 $\times$ 1536 pixels	2048 $\times$ 2048 pixels	3072 $\times$ 3072 pixels
Image Size	9" $\times$ 9" (23 cm $\times$ 23 cm)	12" $\times$ 12" (31 cm $\times$ 31 cm)	12" $\times$ 12" (31 cm $\times$ 31 cm)
Grayscale	16 bits	16 bits	16 bits
Maximum Frame Rate	Full size: 80 fps 2x2 binning: 160 fps	Full size: 60 fps 2x2 binning: 120 fps	Full size: 50 fps 2x2 binning: 100 fps
X-ray Voltage Range	40–150 kVp	40–150 kVp	40–150 kVp
Data Interface	Nbase-T 5Gbps	Nbase-T 10Gbps	Nbase-T 10Gbps
Dimensions	29.2 cm $\times$ 28.5 cm $\times$ 4.5 cm	34 cm $\times$ 33.6 cm $\times$ 4.5 cm	34 cm $\times$ 33.6 cm $\times$ 4.5 cm
Weight	3.3 kg	4.5 kg	4.6 kg
Operating Environment	5°C to 40°C 10% to 90% RH (non-condensing)	5°C to 40°C 10% to 90% RH (non-condensing)	5°C to 40°C 10% to 90% RH (non-condensing)
Power Consumption	DC 12 V, 1.7 A	DC 12 V, 2.5 A	DC 12 V, 2.5 A
Power	Max. 20.4 W	Max. 30 W	Max. 30 W

* Specifications are subject to change without prior notice.



VIVIX-M 1824S



VIVIX-M 2430S



VIVIX-M 2430D

Model Name	FXMD-1008S	FXMD-2430S	FXMD-2430DAL FXMD-2430DAH
Technology	IGZO TFT	IGZO TFT	IGZO TFT
Scintillator	CsI	CsI	CsI
Pixel Pitch	75 μ m	75 μ m	75 μ m
Spatial Resolution	6.7 lp/mm	6.7 lp/mm	6.7 lp/mm
Pixel Matrix	3072 $\times$ 2304 pixels	3840 $\times$ 3072 pixels	3840 $\times$ 3072 pixels
Grayscale	16 bits	16 bits	16 bits
X-ray Voltage Range	20 – 45 kVp	20 – 45 kVp	20 – 45 kVp
Maximum Frame Rate	–	–	3.5 / 6 fps
Image Acquisition Time	3 s	3 s	3 s
Recommended Cycle Time	15 s	15 s	15 s
Data Interface	Gigabit Ethernet	Gigabit Ethernet	Gigabit Ethernet
X-ray Generator Interface	AED Mode	AED Mode	External Trigger
Dimensions	26.8 cm $\times$ 19.5 cm $\times$ 1.5 cm	32.8 cm $\times$ 25.5 cm $\times$ 1.5 cm	32.8 cm $\times$ 25.5 cm $\times$ 3.5 cm
Weight	1 kg	1.2 kg	2.5 kg
Chest Wall Distance	2 mm	1.9 mm	1.8 mm
Operating Environment	10°C to 35°C 30 % to 85 % RH (non-condensing)	10°C to 35°C 30 % to 85 % RH (non-condensing)	5°C to 45°C 30 % to 85 % RH (non-condensing)
Power Consumption	DC 24 V, 0.75 A	DC 24 V, 1 A	DC 24 V, 1 A

* Specifications are subject to change without prior notice.

SOFTWARE



VXVUE with **PureImpact™**

Digital Radiography Acquisition Viewer For VIVIX-S Series

VXVUE **M** with **PureImpact™** **M**

Digital Mammography Acquisition Viewer for VIVIX-M Series

SlimpacII^{plus} with **PureImpact™** **D**

Digital Radiography and Fluoroscopy Acquisition Viewer for VIVIX-D series

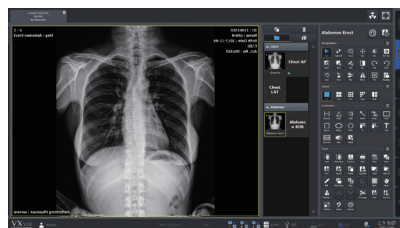
QXLink

Streamlined PACS (Picture Archiving and Communication System)

VXvue with PureImpact™

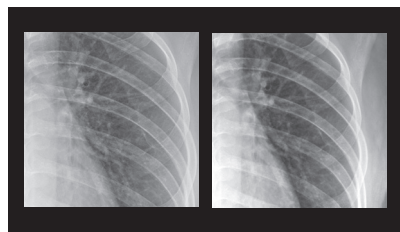
Digital radiography acquisition viewer for VIVIX-S Series

Easy Management for Simple Workflow



- Simple registration with preset auto retrieve
- Third-party integration systems
 - Generator, U-arm, collimator, dose area product (DAP), etc.
- DICOM 3.0 compatible
- Image exporting options
 - USB/Hard disk

Advanced Image Processing – PureImpact™



before

 PureImpact™

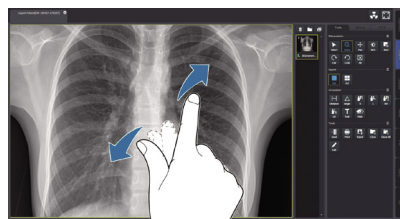
- Fine details without visual artifact
- Soft tissue delineation
- Non-grid chest processing
- Optimized preset parameters for each target examination
 - Human, veterinary, equine, vehicle

Various Image Adjustment Tools



- Automated functions
 - Auto-cropping, auto-labeling, auto-rotation, auto-stitching
- Annotation tools
- Multi-layout

Convenient Usability

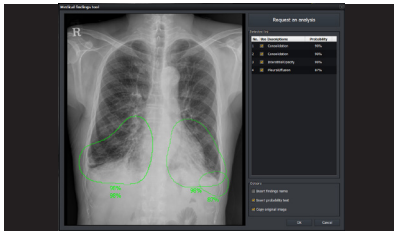


- User-friendly touch interfaces
- Customizable skin
- Multi-language
 - English, Spanish, French, Italian, German, Russian, Chinese, Japanese

VXvue with AI

Next generation imaging solution powered by AI

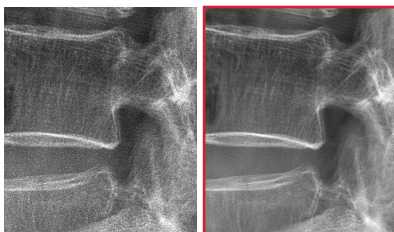
Chest X-ray Diagnosis Support Powered by VUNO AI



- **Analyze abnormality of 5 major findings in chest X-ray images**
 - Nodule/mass, consolidation, interstitial opacity, pleural effusion, pneumothorax
 - Reduce reading time by 50%
 - Increase accuracy by 8%
- **Efficient & convenient usages**
 - Intuitive UI for ease-of-use
 - Integration with PACS

VXvue with Noise-X AI

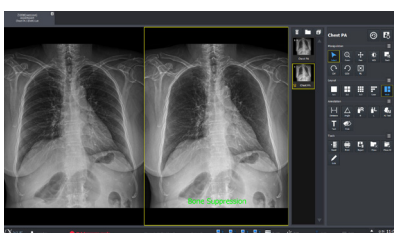
Noise removal (exclusion) technology powered by AI



- **Detail-oriented imaging**
 - Exceptional image quality by reducing image noise based on deep learning algorithm
- **Patient-oriented imaging**
 - Minimize radiation exposure without compromising on clarity or anatomical detail

VXvue with Bone-X AI

Bone removal (exclusion) technology powered by AI



- **Precise & fast diagnosis aid tool**
 - Suppression of ribs and clavicles within the lung field
 - Amplified clarity of soft tissues previously obscured by bone shadows
 - Delivers a clear suppressed image in under a minute
- **Prioritizing patient safety**
 - Acquires bone suppression image without extra radiation exposure

VXvue Mammo with PureImpact M™

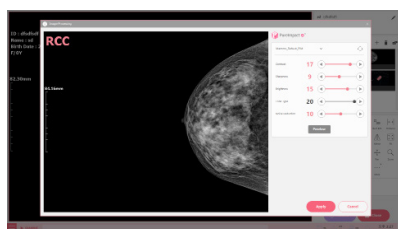
Digital mammography acquisition viewer for VIVIX-M Series

Easy Management for Simple Workflow



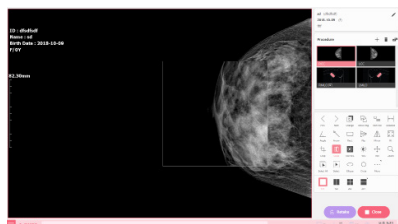
- Convenient presets for various diagnostic procedures
 - Easy registration
 - Automatic image processing and labelling of each view position
- DICOM 3.0 compatible
- Optimized GUI (portrait & landscape)

Mammography Dedicated Image Processing – PureImpact M™



- Peripheral enhancement
- Microcalcification enhancement
- Sharpness preserving gridline suppression
- Nipple detection
- Density estimation

Various Image Adjustment Tools



- Center adjustment
- Auto rotation
- Annotations tools
- Multi-layout

Convenient Usability

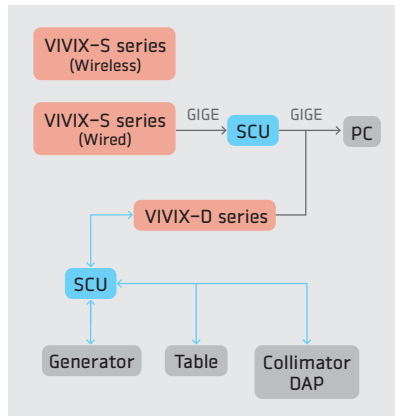


- Fast and accurate quality control
 - 5 different QC tools
(ACR Phantom, Artifact, MTF, Flat Field, Monitor)
- User-friendly interface
 - Intuitive GUI design
 - User-defined settings
 - Customizable skin

SlimpacII Plus with PureImpact D™

Digital radiography and fluoroscopy acquisition viewer for VIVIX-D Series

High Compatibility



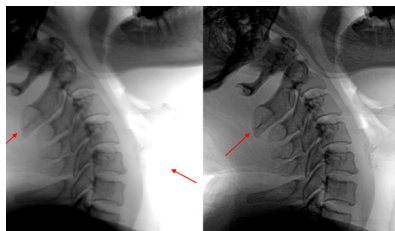
• Integration with Third-party Devices

- CPI INDICO 100/IQ RF Generator
- Siemens Polydoras RF Generator
- Siemens Monosource monoblock Generator
- IMD monoblock Generator
- Ecotron HFG monoblock Generator
- Collimator/DAP/Table

• DICOM 3.0 compatible: send, print, modality worklist, MPPS (Modality Performed Procedure Step, etc.)

• Integration with Static and Dynamic Detectors made in Viewworks: User Interface for DR and RF Procedures

Powerful Image Processing



Contrast Enhancing Filter

• Contrast Enhancing Filter

• Lag-free Noise Filter

• Anatomy-based Window Level & ABC (Auto-brightness control)

• Metal Smart Window Level & ABC (Auto-brightness control)

• Auto/Manual Stitch

• Digital Subtraction Angiography

Convenient Usability



• Virtual console

- Generator control
- Radiography control
(Dose parameter, focal spot, AEC speed, AEC panel position, etc.)
- Fluoroscopy control
(Dose parameter, timer, fluoroscopic mode, fluoroscopic ABS)

• Image manipulation tools

- Image tools
- Cine tools
- Annotation

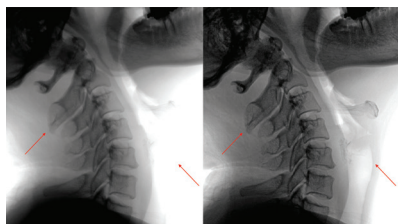
• Anatomical programmed radiography control

- Body part
- Projection
- Size

PureImpact Dynamic

Advanced post-processing imaging solution for VIVIX-D Series

Contrast Enhancing Filter

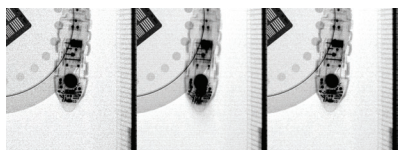


Without contrast enhancement

With contrast enhancement

- Enhances the detail and contrast of both soft tissue and bone

Lag-free Noise Filter



Noisy raw

Conventional filter

PureImpact Dynamic filter

- Achieves noise reduction without motion blurring

Anatomy-based Window Level & ABC (Auto-brightness control)



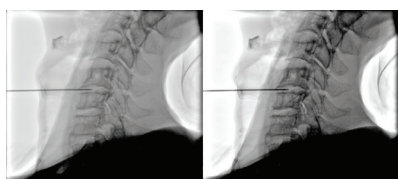
W/L without object mask

object mask

W/L with object mask

- Easy positioning and clear image without manual window level

Metal Smart Window Level & ABC (Auto-brightness control)



W/L without metal detection

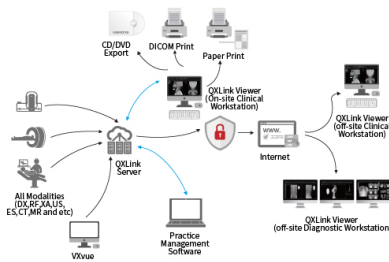
W/L with metal detection

- Removes direct radiation and metal objects from the measuring field to provide higher image quality and efficient dose control

QXLink

Streamlined PACS (Picture Archiving and Communication System)

Web-based Access



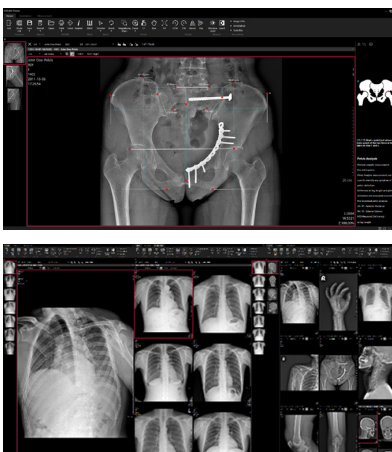
- **High availability**
 - Multi-access from off-site
- **Easy management**
 - Install, version update via web
- **Easy configuration**
 - Configuration with web server

Advanced Measurement Tools



- **Various measurement tools**
 - More than 60 measurement tools for spine, pelvis, podiatry, and chiropractic analysis
- **Virtual surgery tools for preoperative planning**
 - Human, veterinary

Convenient Usability



- **Guide for each measurement tools**
 - Step-by-step guide shows how to use each tool
- **Multi-monitor configuration**
 - Supports VGA to UHD resolution without custom scaling
 - Supports up to 4 monitors
- **Automatic distance calibration**
 - Line and circle calibration
- **Powerful DICOM Print option**
 - Easy editing using drag & drop
 - Full size page for a stitched image

GLOBAL NETWORK



	Viewworks HQ	Viewworks Hwaseong Site	Viewworks North America	Viewworks South America	Viewworks Europe	Viewworks China
Location	Anyang-si, Korea	Hwaseong-si, Korea	Chicago, USA	São Paulo, Brasil	Frankfurt, Germany	Shanghai, China
Email	sales@viewworks.com	sales@viewworks.com	support.us@viewworks.com	cs.vwsa@viewworks.com	cs.vweu@viewworks.com	techsupport@viewworks.com
Tel	+82-70-7011-6161	+82-70-7011-6161	+1-312-548-3282	+55-11-2364-9664	+49-6196-769-3760	+86-21-64955945



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