

# MEDLINK *!M1 Mobile X-Ray System*

Setting New Standards with Mobile X-Ray



**MEDLINK** IMAGING

a **vieworks** company

# Setting a New Standard in Mobile X-Ray

With revolutionary battery technology, sleek design & strong user focus, this new generation, groundbreaking unit allows hospitals and clinics to reduce their number of x-ray units without impacting the ability to do more procedures.



# Smallest and Lightest

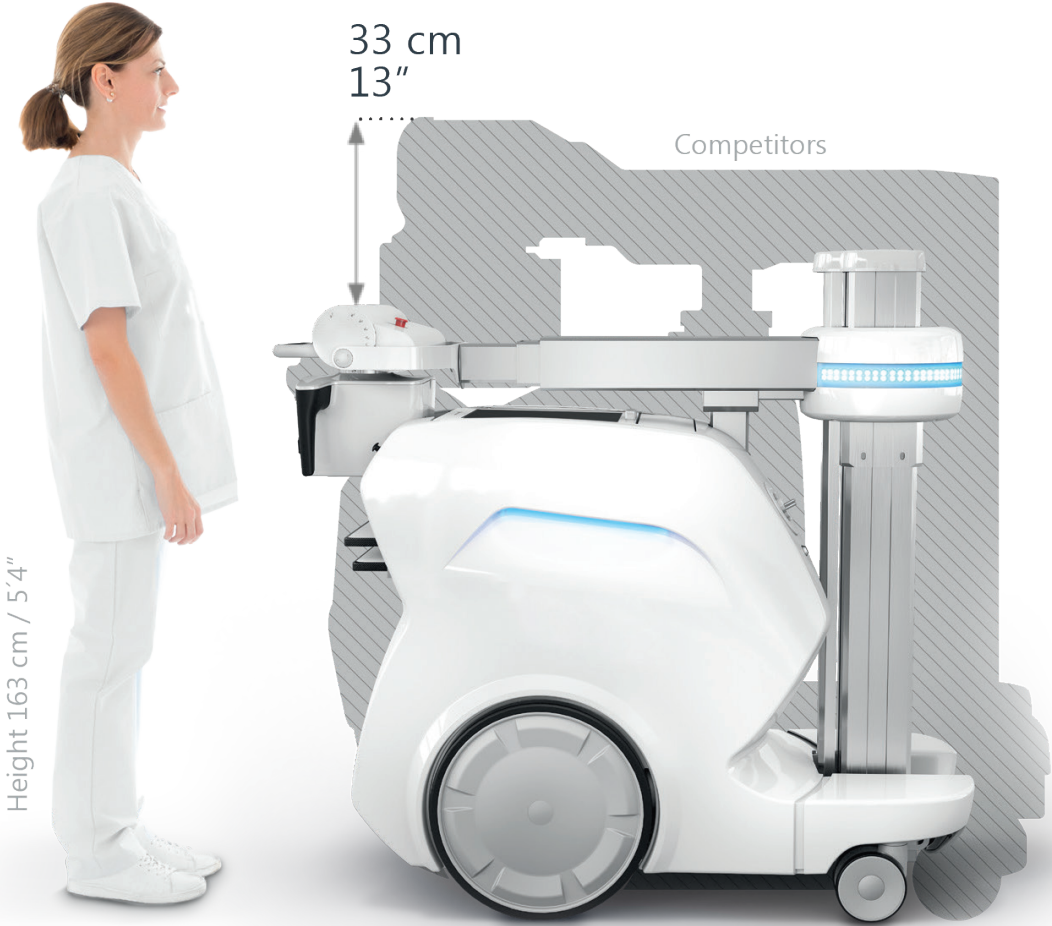
All-in-all — a smaller and lighter system is more mobile.

To move a mobile x-ray system quickly and safely, a clear view forward is essential. The patented design of the Medlink !M1 Mobile X-Ray System offers a product with a very low height in transport mode.

The state-of-the-art footprint combined with the long reach of the X-ray tube makes this system ideal in limited and crowded spaces.

The weight of an x-ray unit has a strong impact on mobility and safety. A heavy unit is difficult to steer, break and turn quickly, as doorstops, carpets and cables are difficult or impossible to pass.

The reduced weight of the Medlink !M1 Mobile X-Ray System offers improved usability without impairing performance or functionality.

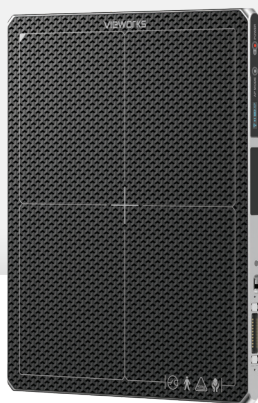


# Excellent Image Quality

Pairing the Medlink IM1 Mobile X-Ray System with the VIVIX-S 3643 V-Series or F-Series Wireless DR Detectors and VXvue DR Acquisition Software gives the system best-in-class image processing and quality.

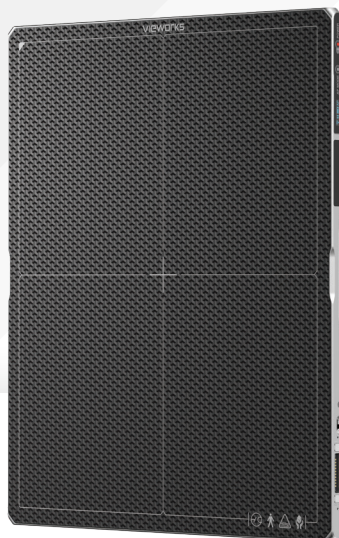
The latest monitor with touchscreen technologies and VXvue DR Acquisition software gives the system cutting-edge imaging technology. Sophisticated iF award-winning detector designs offer superior diagnostic images to streamline daily workflow.

The capacitive touchscreen monitor can be operated with gloves and multiple finger input with excellent resolution, luminance, contrast and viewing angles.



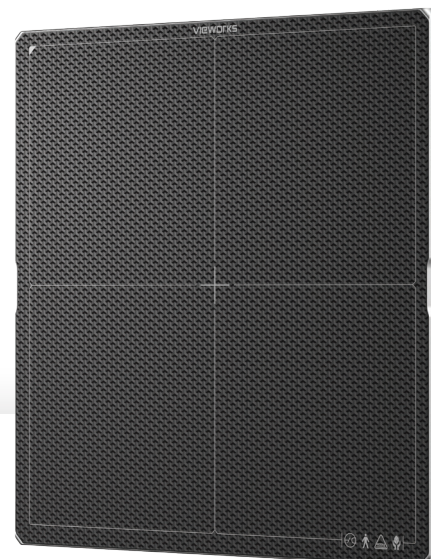
**FW-2530**

27x35cm (11"x14")



**FW-3643**

35x43cm (14"x17")



**FW-4343**

43x43cm (17"x17")

# Fast and Efficient

## This marks the start in True X-ray Mobility®

The LED lights at the sides and top of the column provide a sleek appearance and communicate unit status intuitively and clearly.

The power cable is positioned at a convenient height for the user and minimizes the need for cables on floors. The charging indicator is clearly visible and understood at a glance.

With the precision control joysticks and the optional tube head touch monitor as well as the optional wireless remote control, the workflow can be optimized and enhanced to new levels.





# Designed Around System Users

Combining a modern,  
attractive design  
with ease of use  
and cleaning.

The detector is stored in the  
Mobile X-ray unit in a convenient  
horizontal position for safe and  
ergonomic usage with less stress on  
hands, arms and shoulders.

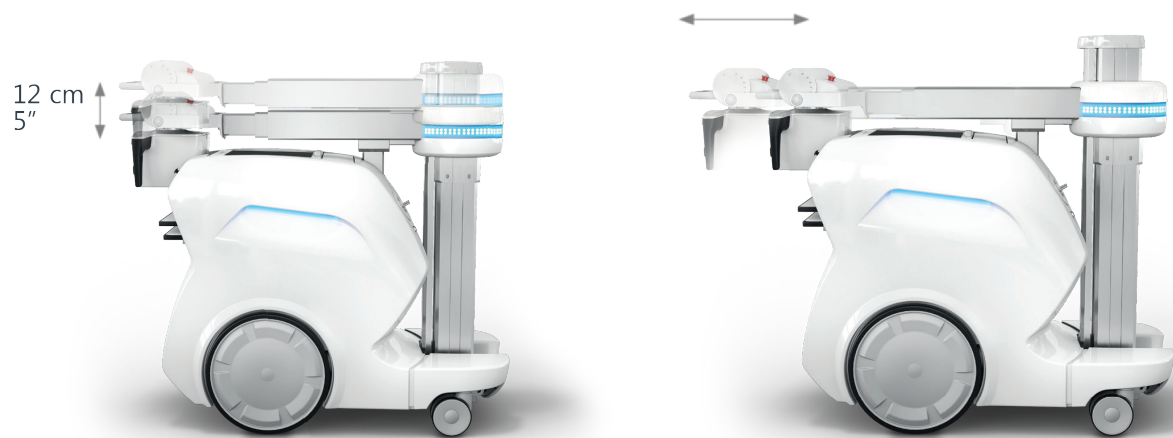


# Easy to Clean

The sleek system design is not only easy on the eye, it makes the cleaning process simple with a minimal sharp corners, hatches or lids — places where dirt and dust can accumulate.



# Adjustable Handle





## Exceptional Operating Time

Competition

Up to 5 hours Operating Time (Assuming new batteries)  
10 hours to Full Charge from Empty



Up to 9 hours Operating Time  
1.5 hours to Full Charge from Empty



## Super Fast Charging

Competition

10 minutes of charging — up to 5 minutes operating time



10 minutes of charging — up to 60 minutes operating time



# Technical Specifications

## X-ray Characteristics

- 32 or 40 kW
- 40–125 or 40–133 kVp
- 0.1–320 mAs
- 0.4/1.3mm or 0.6/1.3mm focus size
- 13,5 deg Anode Angle
- 200 kHU

## Movement Range

- 53–195cm (20,8”–76,8”) SID to floor
- 1340mm (52,8”) Tube arm reach total
- +/- 270 deg Rotation of telescopic arm
- +/- 135 deg Tube Rotation
- -10 to +90 deg Tube Tilt
- +/- 90 deg Collimator Rotation

## Size and Weight

- Weight 324kg (714 lbs)
- Length (body) 1130mm (44,5”)
- Length (with handle) 1245mm (49”)
- Width 580mm (22,8”)
- Height (park/transport) 1200mm (47,2”)

## User Interfaces

- Monitor: 17” high res LED; 1280x1024; 16.7 M colors; Viewing angle (Typ) 178 deg
- Touchscreen: Capacitive Multi touch
- Adjustable height of drive handle 120 mm (4,7”)
- Indication lights (sides and column top)
- Precision drive joystick (body and Tube head)
- Collision protection (front and Tube)

## Wireless Portable Detector

High DQE Cesium Iodide (CsI) flat wireless detectors:

### Sizes:

- 25 cm x 30 cm
- 36 cm x 43 cm
- 43 cm x 43 cm

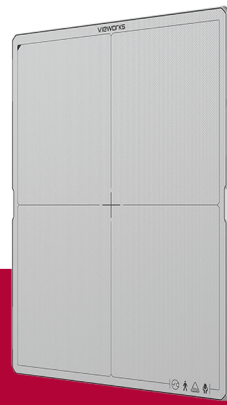
## Options

- Wireless remote control for exposure & collimator light
- Dose Area Meter (integrated inside collimator)
- Detector lock
- 200 cm (78.7”) SID to floor
- Software Grid: Scatter Correction
- Pediatric Version: Color Scheme

## Power

- 110–230 VAC, 10A, 50/60Hz

## Technical Specifications



### VW Series Panels

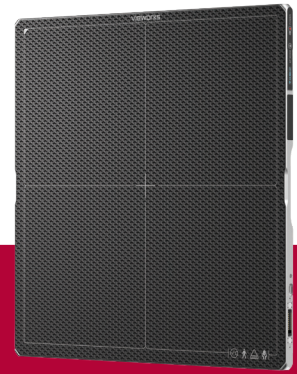
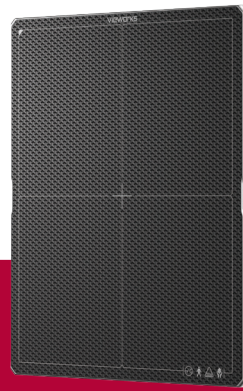
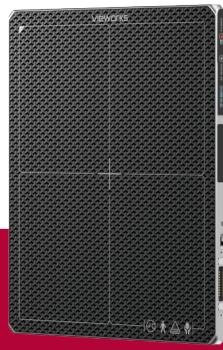
VIVIX-S 2530VW

VIVIX-S 3643VW

VIVIX-S 4343VW

Model Name	FXRD-2530VAW /FXRD-2530VAW PLUS	FXRD-3643VAW / FXRD-3643VAWPLUS	FXRD-4343VAW /FXRD-4343VAW PLUS
Technology	a-Si TFT	a-Si TFT	a-Si TFT
Scintillator	CsI	CsI	CsI
Pixel Pitch	124 $\mu$ m	140 $\mu$ m	140 $\mu$ m
Spatial Resolution	4 lp/mm	3.5 lp/mm	3.5 lp/mm
Pixel Matrix	2048 x 2560 pixels	2560 x 3072 pixels	3072 x 3072 pixels
Image Size	10" x 12"(25.4 cm x 31.7 cm)	14" x 17"(35.8 cm x 43 cm)	17" x 17"(43 cm x 43 cm)
Grayscale	16 bits	16 bits	16 bits
Image Acquisition Time	2.5 s	3 s	3.5 s
Recommended Cycle Time	4 s	4 s	4 s
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 / Packet Trigger Mode	DR Trigger Mode / AED Mode / Packet Trigger Mode	DR Trigger Mode / AED Mode / Packet Trigger Mode
Dimensions	28.7 cm x 35.0 cm x 1.5 cm	38.4 cm x 46 cm x 1.5 cm	46 cm x 46 cm x 1.5 cm
Weight	1.95 KgVAW PLUS- 2.1 Kg	2.95 Kg (one battery) 3.15 Kg (two batteries) VAW PLUS- 3.1 Kg (one battery) VAW PLUS- 3.3 Kg (two batteries)	3.45 Kg (one battery) 3.65 Kg (two batteries) VAW PLUS- 3.7 Kg (one battery) VAW PLUS- 3.9 Kg (two batteries)
Battery	Lithium Ion 3400mAh x 2 6.5h (8h standby) One (1) Year Manufacturer Warranty	Lithium Ion 3400mAh x 2 14h (16h standby) One (1) Year Manufacturer Warranty	Lithium Ion 3400mAh x 2 14h (16h standby) One (1) Year Manufacturer Warranty
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

## Technical Specifications



### FW Series Panels

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	99um	99um	99um
Spatial Resolution	5.0 lp/mm	5.0 lp/mm	5.0 lp/mm
Pixel Matrix	2524 x 3036 pixels	3548 x 4316 pixels	4316 x 4316 pixels
Image Size	10"x12" (25 cm x 30 cm)	14"x17" (36 cm x 43 cm)	17"x17" (43 cm x 43 cm)
Grayscale	16 bit	16 bit	16 bit
Image Acquisition Time	3 s	4 s	4 s
Recommended Cycle Time	4 s	5 s	5 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 • Software Trigger	DR Trigger Mode • AED Mode • Software Trigger	DR Trigger Mode • AED Mode • Software Trigger
Dimensions	28.3 cm x 33.3 cm x 1.5 cm	38.4 cm x 46.0 cm x 1.5 cm	46.0 cm x 46.0 cm x 1.5 cm
Weight	1.7 kg (1 battery)	2.4 kg (1 battery) • 2.6 kg (2 batteries)	2.95 kg (1 battery) • 3.15 kg (2 batteries)
Battery	Lithium Ion 3,400mAh x 1 • 8 h (standby) • *1,500 images at a 15-second cycle	Lithium Ion 3,400mAh x 2 • 16 h (standby) • *3,000 images at a 15-second cycle	Lithium Ion 3,400mAh x 2 • 16 h (standby) • *3,000 images at a 15-second cycle
Dust and Water Resistant	IP67	IP67	IP67
X-ray Voltage Range	40 – 150kVp	40 – 150kVp	40 – 150kVp
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

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