Wireless Cassettes

Technical Specifications

	Mars1417V
Detector Technology	Amorphous Silicon
Scintillator	DRZ-Plus/CSI (Directly Deposit)
Active Area	14"x17"
Pixel Pitch	150μm
AD Conversion	14bits
Number of Pixels	2304x2800(DRZ-Plus)/2288x2784(CSI)
Acquisition Time	≤5s (Full image)
Data Interface/Detector Control	WIFI/Ethernet
Trigger Mode	i-Sync 2(Auto exposure detection)/Software
Wireless Mode	2.4G/5G, with internal AP
Internal Image Storage	200 full size images
Battery	>4h (Full performance)
Charging Time	2h
Shock Tolerance	High
Water Proof	IPX1
Drop Monitoring	Realtime
Limiting Resolution	3.4 lp/mm
Accessories	Charging dock, Cables, Extra Batteries
Operating Temperature	5~35℃
Storage Temperature	-10~55℃
Operating Humidity	10~90%
Storage Humidity	10~95%
Dimension	384x460x15.2mm
Weight	3.6kg(DRZ-Plus) / 3.7kg(CSI)
Power Consumption	12W (Full performance)
Adapter	AC input: 110~240V, 50~60Hz

Dimensions

Dimensions are in MM
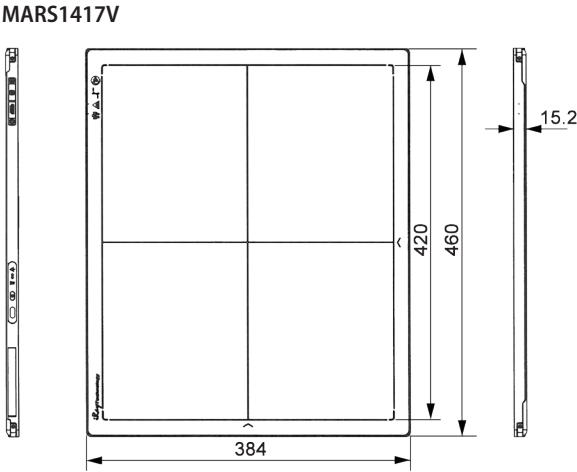
MARS1417V

MARS1417V

Innovative iCassette
Wireless Cassettes

- Better image quality with lower dose.
- i-Sync 2. Increased reliability with more sensitivity.
- Easy installation and shareable between diverse X-Ray systems.
- Always charging with backup cable.

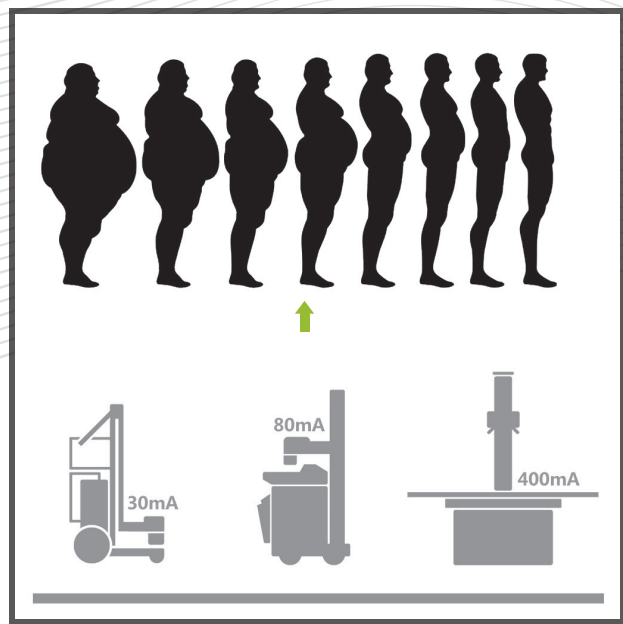i-sync 2   AP/Client

IMAGING THE FUTURE

With increasingly demanding workflows in your radiology department, you definitely need a more reliable DR solution, which should be both convenient and easy to use.

i-Sync 2 –The perfect balance sensitivity and reliability.

Compared to i-Sync 1, i-Sync 2 can be used with a wider range of X-Ray systems. Since its trigger sensitivity has been increased by 60%, even the least powerful mobile system can perfectly trigger an acquisition from the thickest patient. No need to worry about losing images resulting from the detector failing to track a weak exposure.

30mA
80mA
400mA

Longer-lasting battery

At least 500 exposures and 4 hours of continuous operation per recharge of battery. Only a few seconds are needed to replace battery and restart panel. We assure you a faster operation.

## Convenient dual battery charger

Battery charger can charge two batteries simultaneously, which can ensure you always have 2 full batteries ready all day long, without interrupting your workflow.

AP/Client mode swift with one button

Our wirless cassettes can be connected with computer or mobile devices such as tablet PC or smart phone. When you transfer from X-ray room to ward, just press one simple button to swift the wirless mode.

Drop monitoring
Our wireless casttes have been equipped with a unique drop monitoring system, which serves as a real time tracker of panel dropping and shocking. Do you want to know if your employees handle your equipment carefully?

Faster and seamless connection to mobile devices, with robust WIFI signals.

Our wireless cassettes could be connected to any mobile device or Windows systems, without any additional Access Point (AP) or router, making it easier to deploy.

With Mimo (multiple-input and multiple-output) technology, Wi-Fi signal's ability to pass through walls has been improved.
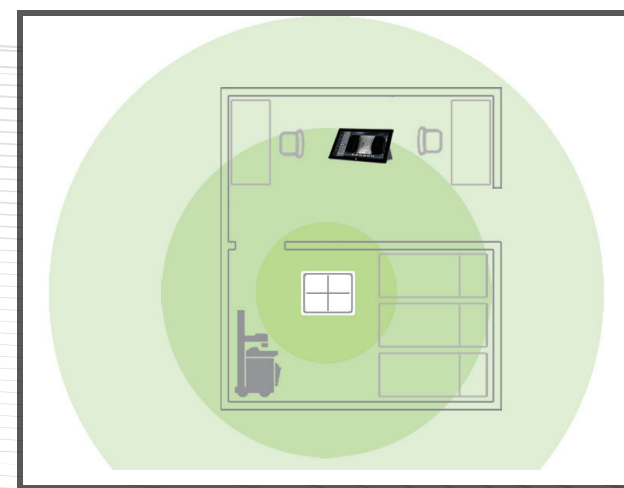
Both 2.4G and 5G wireless mode are supported. With higher stability under 5G modes, the speed has been improved by 189%.

2.4GHz
300Mbps

5GHz
867Mbps
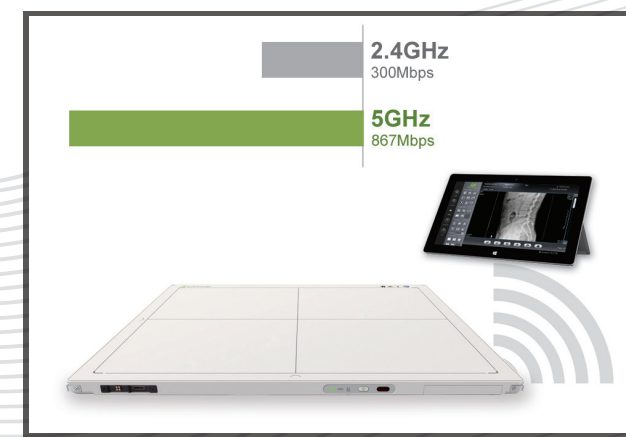
iCassette, the wisest investment you will ever make.
A retrofit solution with lower cost and easier operation.

Share Mars detectors for different Radiography modality like an IP plate

Worklist

Internal Image Storage

Wireless Cassettes

DR Work Station

Image

Patients Information

PACS

RIS

With 200 images internal storage and its own CPU, there is no need to calibrate wireless cassette detectors if moved between different X-Ray systems. Since one flat panel detector can feed a mobile X-ray machine and a fixed one, you can use our wireless cassette detector in a fixed X-ray room, remove it and use it on mobile X-ray system if needed. This can lower your costs and speed up your return on investment.