



MICRO-X | ROVER PLUS

ULTRA-LIGHTWEIGHT MOBILE X-RAY IMAGING

“The Rover is ideally suited for use in the professional sports environment.”

Rob Scheidegger, Seattle Mariners,
VP High Performance & Medical

GAME CHANGING

The Rover Plus is revolutionising healthcare in the sporting world with our Mobile X-ray device, taking diagnostic imaging to all patient treatment areas.

Having on-site medical imaging equipment during AFL games provides numerous advantages for players, team officials, and code governors.

Clinical benefits:

- ✘ **Improved patient care** - by reducing and/or eliminating complications for patients by eliminating the need for transport. An X-ray examination can be completed within 20 minutes.
- ✘ **Faster diagnosis** - by enabling image capture at a patient's bedside in much less time than it would take to transport a patient to an X-ray room. The results are accessed in real-time and can be sent directly to the patient's physician within an hour.

Other advantages:

- ✘ **Informed Game Management:** Team officials can make better informed decisions regarding player substitutions and injury related stoppages, ensuring the safety and integrity of the game.
- ✘ **Improved Player Confidence:** Players may feel more secure knowing that advanced medical support is readily available, potentially leading to better on-field performance and peace of mind.

Features:

- Ergonomic, lightweight and reliable
- Medical grade diagnostic quality images
- Images instantly viewable and transferrable via Wi-Fi
- Does not need access to power
 - the Rover will run all day on battery charge
- Capable of imaging the patient in any situation
- Option to add your own branding with personalised Rover wraps



For more information about the Micro-X Rover Plus contact **Kingsley Hall, CEO Micro-X on 0419 814 767 or khall@micro-x.com**

THE FUTURE OF X - RAY

Micro-X is the first company in the world to introduce Nano Electronic X-ray (NEX) Technology into medical imaging systems. NEX Technology is a simple, non-glass based x-ray tube, with no moving parts that generate minimal heat with no oil required for cooling. It uses carbon nanotubes to offer full medical imaging performance, in a smaller, lighter, and more reliable x-ray tube.

Nano Electronic X-ray tubes are:

- ✖ Small and compact
- ✖ Lightweight
- ✖ Fast and efficient
- ✖ Reliable through simplicity
- ✖ Precisely controlled

KEY SPECIFICATIONS

Model	MXU-RV35
X-ray tube type	NEX Technology with stationary anode
Tube warranty	10 years
Focal spot size	0.9-1.9
Generator output	40kVp to 120kVp mAs 0.2 to 80 per ISO Series R'20
Max power output	9 kW
Overall dimensions	1380 mm x 1371 mm x 579 mm (docked) / 54.3 in x 53.9 in x 22.8 in
Drive system	Motorless
Battery	5 x long life LiFePO4 batteries. 1.5 hrs to fully charge

DETECTOR	Varex 4343W	Varex 4336W	Varex 2530W
Scintillator	CsI (Caesium-Iodine)	CsI (Caesium-Iodine)	CsI (Caesium-Iodine)
Field of view	7" x 17" (43cm x 43cm)	14" x 17" (36cm x 43cm)	10" x 12" (25cm x 30cm)
Pixel array	3072 x 3072	2476 x 3072	1900 x 2304
Dimensions	18.1" x 18.1" x 0.6" 46cm x 46cm x 1.5cm	15.1" x 18.1" x 0.6" 38cm x 46cm x 1.5cm	11.02" x 13.06" x 0.6" 28cm x 33cm x 1.5cm
Weight	3.3kg	2.8kg	2.1kg
Pixel size	139 micron	139 micron	131 micron
Ingress protection	IP68	IP68	IP68