

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

Micro-X's Rover Plus is revolutionising healthcare in the sporting world with our proprietary mobile X-ray unit, taking medical-grade diagnostic X-ray imaging to all patient treatment areas, even within the stadium!*

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

- ✘ **Rapid Diagnosis:** Team physicians can quickly assess injuries, enabling immediate and accurate diagnosis of medical conditions.
- ✘ **Timely Decision-Making:** Instant access to imaging helps medical staff make critical decisions about whether a player can safely return to play or needs further treatment. Early detection and treatment of injuries can contribute to better long-term health outcomes for players and ultimately minimise recovery times.
- ✘ **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.
- ✘ **Risk Mitigation for Governing bodies:** Rover is an effective safeguarding measure to mitigate potential liability to the sporting governance body.

Features:

- Ergonomic, lightweight and reliable
- Medical grade diagnostic quality images
- Low total cost of ownership with negligible ongoing maintenance required
- Images instantly viewable and transferable via Wi-Fi to an on-call radiologist for diagnosis
- Does not need access to power, the Rover will run all day on battery charge**
- Ease of device mobility offers quick patient reach and facilitates access to physically challenging imaging positions
- Capable of imaging the patient in a range of situations

For more information about the Micro-X Rover Plus contact **Scott Bryant, Chief Sales Officer** at sbryant@micro-x.com, +17574787186

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.

This electronic x-ray tube is smaller, lighter, and faster than anything the world has seen before!

This has led to the development of the Rover Plus unit, with unique characteristics resulting from engineering prowess and clinical engagement incorporating NEX Technology. Rover is spearheading change in mobile imaging around the world.

Micro-X's manufactured mobile x-ray system has been well received with over 380 units sold worldwide including these MLB teams:

- Seattle Mariners
- San Francisco Giants
- Cincinnati Reds
- Texas Rangers
- Cleveland Guardians

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

This product is not available for purchase by the general public. Rx only.

*The Rover must be used in accordance with the published Instructions For Use. **Up to 7 hours continuous use battery.

