



MICRO-X | ARGUS

THE POWER OF SEEING DIFFERENTLY

Discover the future of
threat assessment

WORLD FIRST TECHNOLOGY TRANSFORMING STAND-OFF IMAGING

Argus X-ray Camera elevates your imaging capability. Remotely deployed stand-off backscatter enables penetration of hardened targets and access to elevated and concealed positions, with technology not previously available during high-risk search and CIED operations.

- ✦ Flexible Deployment – From an Unmanned Ground Vehicle (UGV) or manually as a carry forward system.
- ✦ Robust Reliability – Advanced Carbon Nanotube (CNT) design eliminates the overheating and oil leakage issues associated with legacy portable x-ray technology during extended duty cycles.
- ✦ Reduced Cognitive Load – Simple 'one touch' operator interface increases operational tempo, removing the technical and physical constraints typically associated with high-risk search and CIED Operations.

Argus' search, detection and diagnostic capabilities are ideal across multiple domains:

- ✦ Military and law enforcement high-risk search
- ✦ Technical Surveillance Counter Measures (TSCM)
- ✦ Explosive Ordnance Disposal (EOD) /
- ✦ Improvised Explosive Device Disposal (IEDD)
- ✦ Contraband search



MICRO-X

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TECHNICAL SPECIFICATIONS



ARGUS X-RAY CAMERA

External dimensions [W x H x D]	425 x 200 x 545 mm (16.7 x 7.8 x 21.4 inches)
Weight	19kg (43lbs)
Environmental Specifications	Operating Temperature: 0°C to 43.5°C (32°F to 110°F) Storage Temperature: -18°C to 55°C (-0°F to 131°F) Humidity: 30% to 80% RH non-condensing
Generator Type	Constant Potential
Maximum Voltage	160kVp
Image acquisition Time	30 seconds
Maximum Exposure Time	90 seconds
Backscatter X-ray Detector	161 x 150mm CMOS Detector 100um pixel pitch (1600x1500 pixel matrix) CsI Scintillator Carbon Fibre Window
Other Features	Infra-red Rangefinder
Battery Type	BB2590/U 7.5Ah Li-Ion Battery
Battery Life	Up to 6 hours continuous use
Communications	1W, 915MHz or 2.4GHz COFDM/MIMO Ruggedised Radio 2x Flexible Omnidirectional Antenna Hardwired Communications Cable with Ruggedised Industrial Ethernet Connectors
Encryption	256-bit AES encryption & FIPS 140-3
Human-Machine Interface (HMI)	Power Button with on/off LED indicator Secure Key Interlock Radiation, Generator Enabled, Connectivity and Fault Indicators
System Construction	Robust Glass-Filled Nylon with Carbon Fibre Shell

OPERATOR INTERFACE

Tablet	GeTac F110 Ruggedised Tablet
Operating System	Windows 10 Pro
Graphical User Interface	Micro-X Argus Proprietary X-ray Software
Display	11.6" Wide Viewing Angle TFT LCD FHD (1920x1080) Protection Film 1000 nits LumiBond® display with Sunlight readable technology Capacitive multi-touch screen
Battery	GeTac 11.4V 2.68Ah Li-Ion Battery (Tablet)
GeTac F110 Features	MIL-STD-810H certified IP66 certified MIL-STD-461G certified Vibration & 1.8m (6ft) drop resistant
Environmental Specifications	Operating Temperature: -29°C to 63°C (-20°F to 145°F) Storage Temperature: -51°C to 71°C (-60°F to 160°F) Humidity: <95% RH, non-condensing

COMMUNICATIONS MODULE

Communications	Integrated 1W, 915MHz or 2.4GHz COFDM/MIMO Ruggedised Radio Module with stand 2x Flexible Omnidirectional Antenna Hardwired Communications Cable with Ruggedised Industrial Ethernet Connectors
Battery	CR123 Li-Ion Battery (Radio Module)
Environmental Specifications	Operating Temperature: -18°C to 71°C (-20°F to 160°F) Storage Temperature: -32°C to 71°C (-60°F to 160°F)
Features	Integrated handle / tablet stand