

Vortex LLC

# SAR-X

**X-BAND SAR radar**

**High-resolution  
surveillance from the  
sky - anywhere,  
anytime.**

**15X15 CM RESOLUTION  
15KM SCANNING RANGE  
50KM LOS CONTROL RANGE  
GMTI**



**SAR-X in-flight - mount**

**SAR-X in-flight - conditions**

**SAR-X in-flight - scan image**

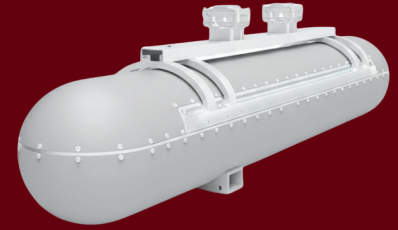
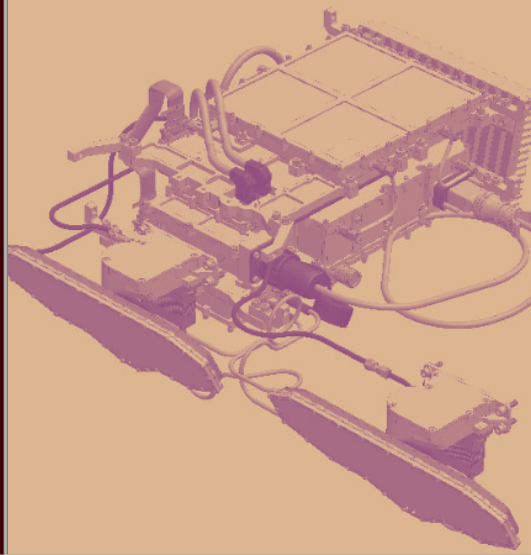
**Our SAR-X system provides unbeaten precision  
imaging for all-weather tactical reconnaissance.**

- Maritime surveillance and littoral monitoring
- Search & Rescue area imaging (SAR support) and disaster mapping
- Reconnaissance in contested or GPS-denied environments
- Persistent route and infrastructure monitoring
- Support to C2 with rapid image dissemination and AI-assisted target classification

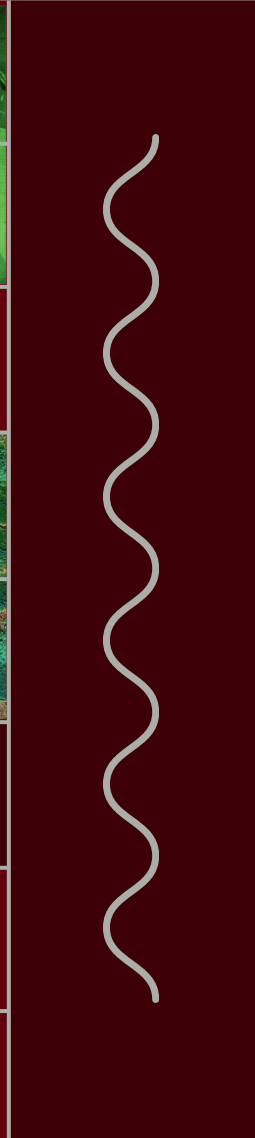
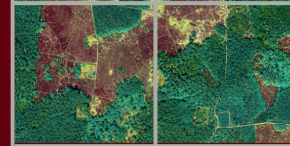
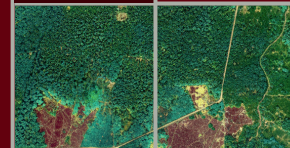
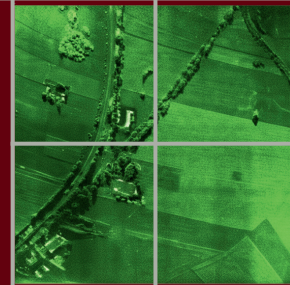


**Vortex - solutions for uniformed services 100% made in Poland/EU.  
We guarantee continuity in the supply chain and maintenance of deployed systems.**

# Technical Specification



Feature	Value	Operational advantage
C2 integration	YES	Fully compatible with command systems
Resolution and range	15 x 15 cm with 15km scanning range	Small objects classification
Stabilization	Gimbal	Reduces image loss risk
LOS range / weather	50km in all weather conditions	Weather independent, robust control
Imaging mode	Strip SAR with onboard processing; GMTI (tracking)	Reduced link load, actionable output immediately
Band / waveform	X-BAND / FMCW LPI waveform	Minimal detection risk, robust performance in contested RF environments



**Vortex LLC**  
**certified supplier of**  
**reconnaissance systems**  
**since 1997, trusted by**  
**Border Guards, Polish**  
**Army and Police,**

**Full confidentiality.**  
**Highest military**  
**standards.**