



 **EMBRAER**
Defense & Security

Sensors



SENTIR-M20

SENTIR-M20 is an all-weather portable ground surveillance radar capable of detecting a crawling man up to 1 km, a walking man up to 10 km and vehicles up to 30 km, performing the automatic classification and tracking of up to 100 simultaneous targets on land or low altitude, with a fully graphic human interface and low probability of interception. Allows remote access and control of data and images through the Command and Control Centers.

SABER-M60

SABER-M60 is a 3-D low altitude anti-aircraft artillery able to track up to 60 targets simultaneously within a radius up to 60 km and up to 5.000 m in high. The radar uses Pulse-Doppler technology that allows unique target detection and acquisition, able to perform interrogation friend or foe and automatic classification of aircraft. With low maintenance and life cycle cost, is a robust and flexible radar, specially designed for transportation and installation in any type of terrain, with set up time of 15 min by only three operators.



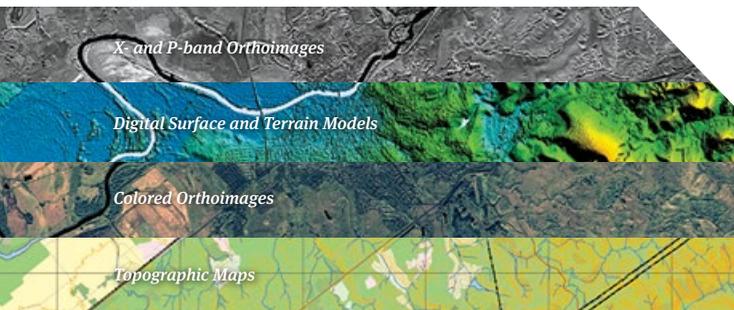
SABER-M200

SABER-M200 is multipurpose radar defined by software that combines solution for air traffic control, air defense and anti-aircraft artillery, with low probability of interception. It combines functions of primary radar with an instrumental range of 280 nm, and a secondary radar complying with requirement of civilian and military air traffic control, besides the ability to perform functions of missile guidance and precision approach radar.



SABER-S200

SABER-S200 is a secondary radar designed for Air Traffic Control (ATC) with a range of 200 nm with a simultaneously processing capacity of 600 tracks, in cryptographed secure Interrogation Friend or Foe (IFF) mode 4.



SAR

BradarSAR is a new airborne remote sensing system for mapping and monitoring with high precision and resolution. The system generates high-precision altimetry and planimetric maps through the X and P radar bands, which can be operated day or night and in low visibility condition. It is applied in topographic mapping, change detection (e.g., deforestation, flooding, invasions and erosion), forest biomass estimation, search, rescue, ground, and maritime surveillance.



COMMUNICATION INTELLIGENCE

Fixed and mobile systems dedicated to monitoring communication emitters and performing direct finding for target positioning, with sensor based on broadband receptors that capture radio frequencies, providing the necessary data for measures to support wletronic warfare. Used in intelligence actions in the exercise of surveillance and monitoring, needed for strategic decision-making. The only product on the market that can be used outdoors without need to add extra components.

