

DATA SHEET

Reference Cost: 35K USD

Portable Two Dimensional Positioning
Through Wall Radar

CEM200

Product Overview

CEM200 is a rugged and compact 2D through Wall Radar designed for fast detection and tactical entries. It provides necessary situational intelligence within a room in time by quickly scanning the inner structure and accurately analyze the target location, numbers and layout.

The product adopts MIMO ultra-wide band radar system, with function of high resolution in long-range, multi-target detection, and real-time two-dimensional positioning.

CEM200 has the advantages of high protection level, small size, light weight, easy to carry, good penetration, fast response, support for split-screen display, and can be used by a single soldier, which is widely applied for variety of emergency search tasks include but not limited to street fighting, counter terrorism, hostage rescue, border security, etc.

- Life presence of both moving and static target
- Target location(including distance&orientation)
- Target numbers
- Target moving path



System Parameter



HIGHLY PORTABLE DESIGN

Light and compact, support knapsack pack



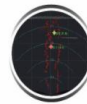
QUICK START

Ready to detect at light tap of a button



HIGH PENETRATION PERFORMANCE

Able to detect live object behind wall/barrier of common material at 37cm



MULTI-TARGETS DETECTION

Simultaneous detection and display ability of 5~10 targets



INDOOR LAYOUT MAPPING

Building internal structure and layout mapping assist in situation analysis and awareness



HIGH PROTECTION GRADE

IP67



SAFETY DESIGN FOR OPERATOR

Wireless remote control for detection and display, stand-alone screen supports tactical application for long-playing monitoring and synergetic observation

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Software Screen Shot

Device type	2D through wall radar
Penetrable materials	Concrete, reinforced concrete, cement, plaster, mixed brick, wood, adobe, stucco and other non-metal standard building material
Detection range	20m(static living object) 30m(moving living object)@37cm brick & concrete wall
FOV	120° in Azimuth, 90° in Elevation
Display model	Presence of static & moving targets, quantity and real-time location, data playback and wireless remote display
Multi-target detection	5~10
Resolution	Range: 10cm, cross range: 50cm@20m
Weight	3kg(include battery)
Protection grade	IP67
Power supply	Lithium battery
Durable working time	8h
Dimension	340×247×130mm
Wireless operation	Built-in wireless module, support remote display and control distance: 150m
Optional accessories	Wireless remote display terminal, batteries