

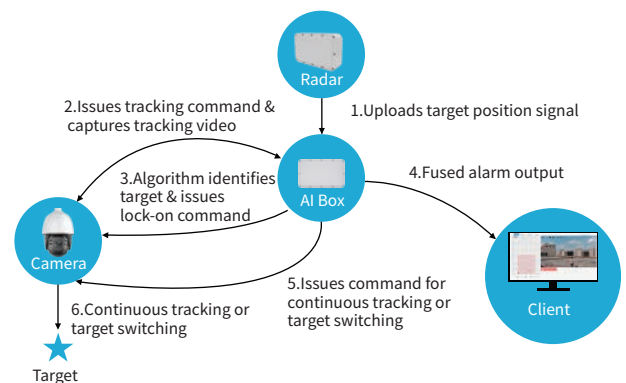


AB1R1C Smart AI Box

The Smart AI Terminal Box is an edge computing security platform designed to combine input from both radars and cameras. By connecting to 1 radar and 1-2 surveillance cameras, it integrates otherwise independent devices into a coordinated, active defense system. This empowers traditional monitoring with the intelligent capability of "radar guidance and automated visual tracking." Through millisecond-level fusion processing of radar point cloud and visual data, the product can automatically detect intrusion threats in all weather conditions. It promptly triggers alarms and coordinates the cameras for precise tracking, thereby significantly improving response speed and security level, and ultimately achieving unmanned, intelligent surveillance of the perimeter.

KEY FEATURES

-  Multi-Modal Fusion for Precision Protection
-  Ability to synchronize millimeter-wave radar and video data within milliseconds
-  AI-Powered Analysis & Active Learning
-  Deep learning algorithms for the ultimate user experience
-  24/7 protection at all weathers
-  Visual evidence with geological trajectories in high-deinition digital map for intrusion events
-  Open architecture and protocol for easy integration





SPECIFICATIONS

*Note that appearances, specifications and functions may be different without notice.

Model	AB1R1C
Processor	Jetson Orin Nano
NPU	Computing power of 67 TOPs
Self-diagnosis	√
Deep Learning Algorithm	√
Camera	1 channel PTZ (Pan-Tilt-Zoom) Speed Dome, or 2 channels supporting a 1080P Bullet and a PTZ (Pan-Tilt-Zoom) Speed Dome, with H.264 video decoding support
Radar	1
Security	Password protected
Communication Interface	Ethernet 10/100/1000M auto-negotiating
Power Supply	DC 12V 3A
Power Consumption	12W (typical)
Operating Temperature	-25°C ~ +70 (°C) / -13 ~ 158 (°F)
Dimension	131.8*211.8*56.5 (mm) / 5.19*8.34*2.22 (in)
Weight	1.34 (kg) / 2.95 (lb)
Certification	CE, FCC

