



BCS02 is ground surveillance radar of Ku band, solid state and all coherent pulse Doppler system. It can carry on detection, recognition, distinguishing, positioning and track formation of moving targets, applicable to monitor roads, oil pipelines, ports, borders and other places, and also able to be used as intrusion warning in important places. It can detect vehicles, low altitude helicopters, ships or other targets getting close to the warning areas. LT-BCS02 has the characteristics of all-weather, long range, accurate real-time positioning, and strong ability of finding and catching targets.

Once needed, multiple radars can form a circular network for wider range monitoring.

Applications:

Border guard, SWAT surveillance, anti-terror and anti riot, port guard and battlefield surveillance

Features:

All solid state, all coherent, digital pulse compression system, which can detect extremely slow moving targets;

Excellent anti-active and passive jamming performance;

Multi-target display, track while scan;

3D map display and can receive various manual intervention commands;

Good data transmission, remote control, and audio warning function;

Historical data can be played back and analyzed;

With high capacity battery and low power circuit, can work in battlefield for a long time;

Backpack or vehicle mounted, easy to operate, quick set-up and high mobility

Specifications:

Frequency band: Ku

Work mode: Pulse Doppler

Detection distance: ($P_d=0, P_{fa}=10^{-6}$)

Armed men: 4km ($\sigma=0.7m^2$)

Small vehicles: 6km ($\sigma=2m^2$)

Large vehicles: 10km ($\sigma=10m^2$)

Antenna sector scan angle:

0-360°

Rotating table scanning speed: low/medium/high, adjustable

Antenna index:

Gain: >30dB

Azimuth plane:

<2° Amplitude:

45°

Sidelobe level: <-25dB

Radial velocity of detectable target:

3-72km/h Range and scope: 240m to 15km

Azimuth angle accuracy:

<0.5° Distance resolution:

<8m Azimuth resolution:

<2° MTBF: >2000hr

MTRR: <30min

Erect and roll-up time:

<1min Continuous work

time: >7hr Power

consumption: <80w

Transmitted power: 2w

Weight (excl. battery):

<25kg

