



STARVIEW RADAR PRODUCT MATRIX

TRIED, TESTED AND TRUSTED AROUND THE WORLD

Copyright © 2025 Starview Technologies Private Limited. All rights reserved.

Singapore Headquarters: 60 Kaki Bukit Place, #05-19 Eunos Techpark, Singapore 415979

Website: www.starviewtech.net | Email: sales@starviewint.com | Tel: +65 31575338



Ground Surveillance Radar SA-RG Series

SA-RG-C101-1

C Band, up to 1.5km Human detection 3km Vehicles

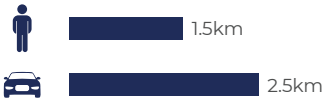
SA-RG-C215-3

C Band, up to 3km Human detection 5km Vehicles

SA-RG-S216-8

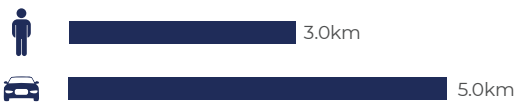
S Band, up to 5km Human detection 15km Vehicles

Website: www.starviewtech.net | Email: sales@starviewint.com | Tel: +65 31575338



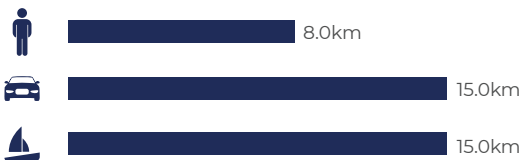
SA-RG-C101-1

- Working mode: Phased array + Pulse Doppler
- Working frequency: C band (5.5 - 5.8GHz)
- Detection range: 1.5km (Pedestrians); 3km (Vehicles)
- Minimum detection range: ≤100m
- Azimuth coverage Single panel: 30°/ 60°/ 90° (Adjustable)
- Elevation coverage: 18°
- Distance accuracy: ≤10m
- Azimuth accuracy: ≤1.0°
- Target detection speed: 0.5m/s - 30m/s
- Speed precision: ≤0.2m/s
- Scan rate: ≤1.5s
- Net weight: 4kg (Panel) / 2kg (Control Box)
- Power supply: AC220V / DC12V (External Battery) / 45W
- Interface Ethernet: Ethernet (UDP protocol) / RJ45



SA-RG-C215-3

- Working mode: Phased array + Pulse Doppler
- Working frequency: C band (5.5 - 5.8GHz)
- Detection range: 3km (Pedestrians); 5km (Vehicles)
- Minimum detection range: ≤100m
- Azimuth coverage Single panel: 30°/ 60°/ 90° (Adjustable)
- Elevation coverage: 9°
- Distance accuracy: ≤10m
- Azimuth accuracy: ≤1.0°
- Target detection speed: 0.5m/s - 30m/s
- Speed precision: ≤0.2m/s
- Scan rate: ≤1.5s
- Net weight: 5.6kg (Panel)
- Power supply: AC220V / DC12V / 50W
- Interface Ethernet: Ethernet (UDP protocol) / RJ45



SA-RG-S216-8

- Working mode: (Azimuth phase sweep) + Pulse Doppler
- Working frequency: S band (2.9GHz; 5 frequency points)
- Detection range: 8km (Pedestrians); 15km (Vehicles)
- Minimum detection range: ≤100m
- Azimuth coverage Single panel: 90°/ 360° with PT
- Multi - planar array splicing, to 360°
- Elevation coverage: 18°
- Distance accuracy: ≤10m
- Azimuth accuracy: ≤1.0°
- Target detection speed: 0.5m/s - 45m/s
- Speed precision: ≤0.2m/s
- Scan rate: ≤1.5s
- Net weight: 26kg (Panel), 45kg (Panel+PTZ+Box)
- Power supply: AC220V / DC12V / 50W
- Interface Ethernet: Ethernet (UDP protocol) / RJ45

Website: www.starviewtech.net | Email: sales@starviewint.com | Tel: +65 31575338



Coastline Surveillance Radar **SA-RC Series**

SA-RC-C502-1

C Band, up to 1.2km Vessel detection

SA-RC-C502-3

C Band, up to 3km Vessel detection

SA-RC-C501-5

C Band, up to 5km Vessel detection

Website: www.starviewtech.net | Email: sales@starviewint.com | Tel: +65 31575338



SA-RC-C502-1

- Working mode: Phased array system (azimuth phases canning)
- Working frequency: C band
- Detection range: 30m ~ 1.2km (Vessel)
- Azimuth coverage: $\geq 90^\circ$
- Elevation coverage: $\geq 18^\circ$
- Detection speed: 0.5 ~ 50m/s
- Azimuth accuracy: $\leq 1.0^\circ$
- Scan rate: $\geq 9\text{Hz}$
- Data interface: RJ45
- Power supply: $\leq 25\text{W}$ (Power consumption)
- DC12V ~ 36V (Input)
- Working temperature: $-40 \sim 55^\circ\text{C}$
- Weight: $\leq 4.5\text{kg}$



SA-RC-C502-3

- Working mode: Phased array system (azimuth phases canning)
- Working frequency: C band
- Detection range: 100m ~ 3km (Vessel)
- Azimuth coverage: $\geq 90^\circ$
- Elevation coverage: $\geq 18^\circ$
- Detection speed: 0.5 ~ 30m/s
- Azimuth accuracy: $\leq 1.0^\circ$
- Scan rate: $\geq 2\text{Hz}$
- Data interface: RJ45
- Power supply: $\leq 55\text{W}$ (Power consumption)
- AC220V (Input)
- Working temperature: $-40 \sim 55^\circ\text{C}$
- Weight: $\leq 5.5\text{kg}$



SA-RC-C501-5

- Working mode: Phased array system (azimuth phases canning)
- Working frequency: C band
- Detection range: 100m ~ 5km (Vessel)
- Azimuth coverage: $\geq 90^\circ$
- Elevation coverage: $\geq 18^\circ$
- Detection speed: 0.5 ~ 35m/s
- Azimuth accuracy: $\leq 1.0^\circ$
- Scan rate: $\geq 2\text{Hz}$
- Data interface: RJ45
- Power supply: $\leq 60\text{W}$ (Power consumption)
- AC220V (Input)
- Working temperature: $-40 \sim 55^\circ\text{C}$
- Weight: $\leq 5.5\text{kg}$



Air Surveillance Radar SA-RA Series



SA-RA-C223-1.5

C Band, up to 1.5km Drone detection

SA-RA-X223-2

X Band, up to 2km Drone detection

SA-RA-S216-5

S Band, up to 5km Drone detection

SA-RA-S216-10

S Band, up to 150m ~ 10km Drone detection

Website: www.starviewtech.net | Email: sales@starviewint.com | Tel: +65 31575338



1.5km

SA-RA-C223-1.5

- Working mode: Phased array system (azimuth machine scanning + pitch phase scanning)
- Working Frequency: C Band
- Detection range: 100m ~ 1.5km (Drones RCS \approx 0.01m²)
- Azimuth coverage: 0 ~ 360°
- Elevation coverage: 0 ~ 40°
- Detection speed: 0.5 ~ 25m/s
- Azimuth accuracy & Elevation accuracy: $\leq 1.0^\circ$
- Distance accuracy: ≤ 10 m
- Scan rate: 0.2s
- Data interface: RJ45
- Power supply: 100W (Power consumption)
- AC 220V (Input)
- Working temperature: -40 ~ 55°C
- Weight: ≤ 6.0 kg, ≤ 36 kg (with PTZ)



2.0km

SA-RA-X223-2

- Working mode: Phased array (azimuth phase scanning + pulse doppler)
- X band (9.4GHz - 9.6GHz / 5 working frequency point)
- Detection range: 100m - 2Km
- Azimuth coverage: 0 ~ 360°
- Elevation coverage 0 ~ 40°
- Detection speed: 0.5 ~ 30m/s
- Azimuth accuracy & Elevation accuracy $\leq 0.8^\circ$
- Distance measurement accuracy: ≤ 5 m
- Targets processing: ≥ 100
- Scan rate: 5s / Round
- Data interface: RJ45
- Power supply: 200W (Power consumption)
- AC 220V (Input)
- Working temperature: -40 ~ 55°C
- Weight: 70.0kg



5.0km

SA-RA-S216-5

- Working mode: Phased array system (azimuth phase sweep)
- Working frequency: S band (2.9GHz; 5 operating frequency points)
- Detection range: 5km
- Azimuth coverage: 0 ~ 360°
- Elevation coverage: 0 ~ 50°
- Detection speed: 0.5 ~ 45m/s
- Azimuth accuracy & Elevation accuracy: ≤1.0°
- Distance measurement accuracy: ≤10m
- Scan rate: 5s/round
- Data interface: RJ45
- Power supply: 250W (Power consumption)
- AC 220V (Input)
- Working temperature: -40 ~ 55°C
- Weight: 60.0 kg



10.0km

SA-RA-S216-10

- Working mode: Phased array system (azimuth machine scanning + pitch phase scanning)
- Working frequency: S band (2.9GHz; 5 operating frequency points)
- Detection range: 10km
- Azimuth coverage: 0 ~ 360°
- Elevation coverage: 0 ~ 40°
- Detection speed: 0.5 ~ 45m/s
- Azimuth accuracy & Elevation accuracy: ≤1.0°
- Distance measurement accuracy: ≤10m
- Targets processing: ≥100
- Scan rate: 5s/round
- Data interface: RJ45
- Power supply: 200W (Power consumption)
- AC 220V (Input)
- Working temperature: -40 ~ 55°C
- Weight: 60.0 kg

Corporate offices

STARVIEW TECHNOLOGIES PTE LTD
 Singapore Headquarters
 60 Kaki Bukit Place
 #05-19 Eunos Techpark
 Singapore 415979

 Tel: +65 3157 5338
 Fax: +65 3112 8181

Worldwide offices

STARVIEW TECHNOLOGIES VIETNAM
Hanoi Office
 R9, 33th Floor, C2 Building, D'Capitale,
 119 Tran Duy Hung Street,
 Trung Hoa – Cau Giay, Hanoi
Ho Chi Minh Office
 #C9-16, Block A, Sky Center Building,
 #10 Pho Quang Street,
 Tan Binh District, Ho Chi Minh City

 Tel: (024) 66661268
 Hotline: 19008695
 Sale Contact: 0866.207.855

Representatives

Brazil
 Tel: +55 11 9-8244-7630

Germany
 Tel: +49 172 946 69 39

France - Benelux - Africa
 Tel: +33 782 702 214

**Southern, Eastern Europe
 & Middle East Operations**
 Tel: +420 602 66 75 66

