

# Radar Ranger

## CRAT20-70/11

WIDE BEAM  
DETECTION



Wide 70° x 11° beam.  
25 metre range.

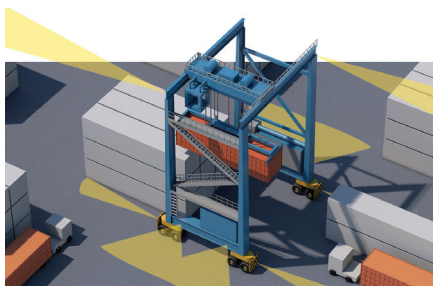
Detects moving objects  
3 Programmable warning outputs  
Robust design ideal for harsh environments  
Not affected by rain, snow or fog

The CRAT20 scanners are FMCW (Frequency Modulated Continuous Wave) radar scanners designed to detect objects in a specified area. With 3 programmable distance outputs and wide or narrow angle beam patterns, the robust CRAT20 are designed for harsh environments. Reliable in all weather, they can detect objects up to 100 metres away.

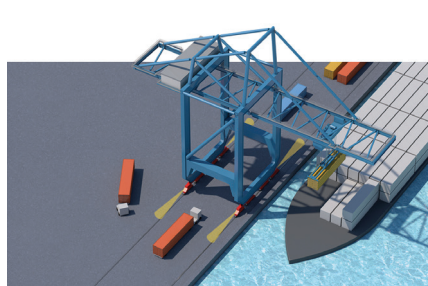
CRAT20-70/11 provide additional wide angle side protection for slower moving vehicles, or cross travel movements. Detecting stationery or moving objects with a range of up to 25 metres, these Radar Ranger scanners can be used in combination with other CRAT20 scanners to provide an all-round collision avoidance warning systems for straddle carriers, RTGC's and high lift stacker trucks.

Radar Ranger scanners, are the perfect partner to help avoid collisions and minimise costly down time.

RTG crane



Ship-to-shore crane



## Model Number

## CRAT20-70/11

Range	25m
Beam angle	70° x 11°
Moving/ Stationary	Moving or stationary
Supply voltage	24 VDC +/- 20%
Output	3 Open-Collector-Outputs with 50mA
Connection	5-pin Connector M12x1, RSF4 compatible
Sending frequency	24.000 .... 24.250 GHz
Antenna characteristics	70° (±35°) horizontal and 11° (±5,5°) vertical
Distance detection	0,2m .... Threshold (in 1m steps from 2 - 12m adjustable) a minimum speed from 3m/min is required
Operating/ storage temp.	-40 .... +85 °C
Weight	approx. 650g
Material	Lower housing section: ALg. black anodised Housing cover: POM-plastic black colored
Protection class	IP67
Housing dimensions	100 x 100 x 42mm

For more information:

**Sentek Solutions Ltd,**  
Devonshire Business Centre,  
Works Road, Letchworth, Herts SG6 1GJ, U.K.

Tel: +44 1223 923 930

Email: [info@sentekeurope.com](mailto:info@sentekeurope.com)

[www.sentekeurope.com](http://www.sentekeurope.com)

**Your Authorised Titze Fragen Partner in the UK**

