

# Radar Ranger

## CRAT20-11/11

### NARROW BEAM DETECTION



Narrow 11° beam angle.  
60 metre range.

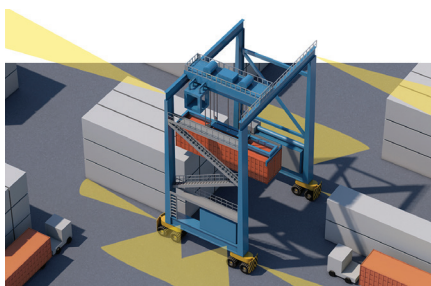
Detects moving or stationary objects  
3 Programmable warning outputs  
Robust design ideal for harsh environments  
Not affected by rain, snow or fog

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.

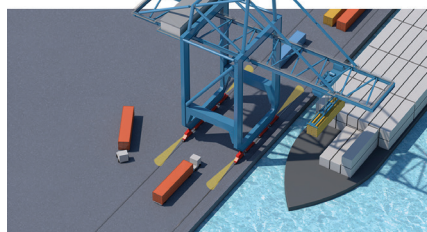
CRAT20-11/11 were developed for anti-collision and start up protection of fast moving Straddle Carriers, RTGC, RMGC, STS and OHBC cranes. With a narrow beam and up to 60 metre range, these compact, robust units can also be used as Rail and Fork truck anti-collision warning, helping to protect vehicles, cranes and infrastructure in busy areas.

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

RTG crane



Ship-to-shore crane



#### Model Number

#### CRAT20-11/11

#### CRAT20-11/11ST

#### CRAT20-11/11 60m

Range	40m		60m
Beam angle	11° x 11°		
Moving/ Stationary	Moving	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	11° (±5.5°) vertical and horizontal		
Distance detection	up to 40m (in 1m steps from 4 - 40m adjustable)		up to 60m (in 1m steps from 4 - 40m adjustable)
Operating/ storage temp.	-40 .... +85 °C		
Weight	approx. 650g		
Material	Lower housing: ALg. black anodised Housing cover: POM-plastic black colored		
Protection class	IP67		
Housing dimensions	100 x 100 x 42mm		

For more information:

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