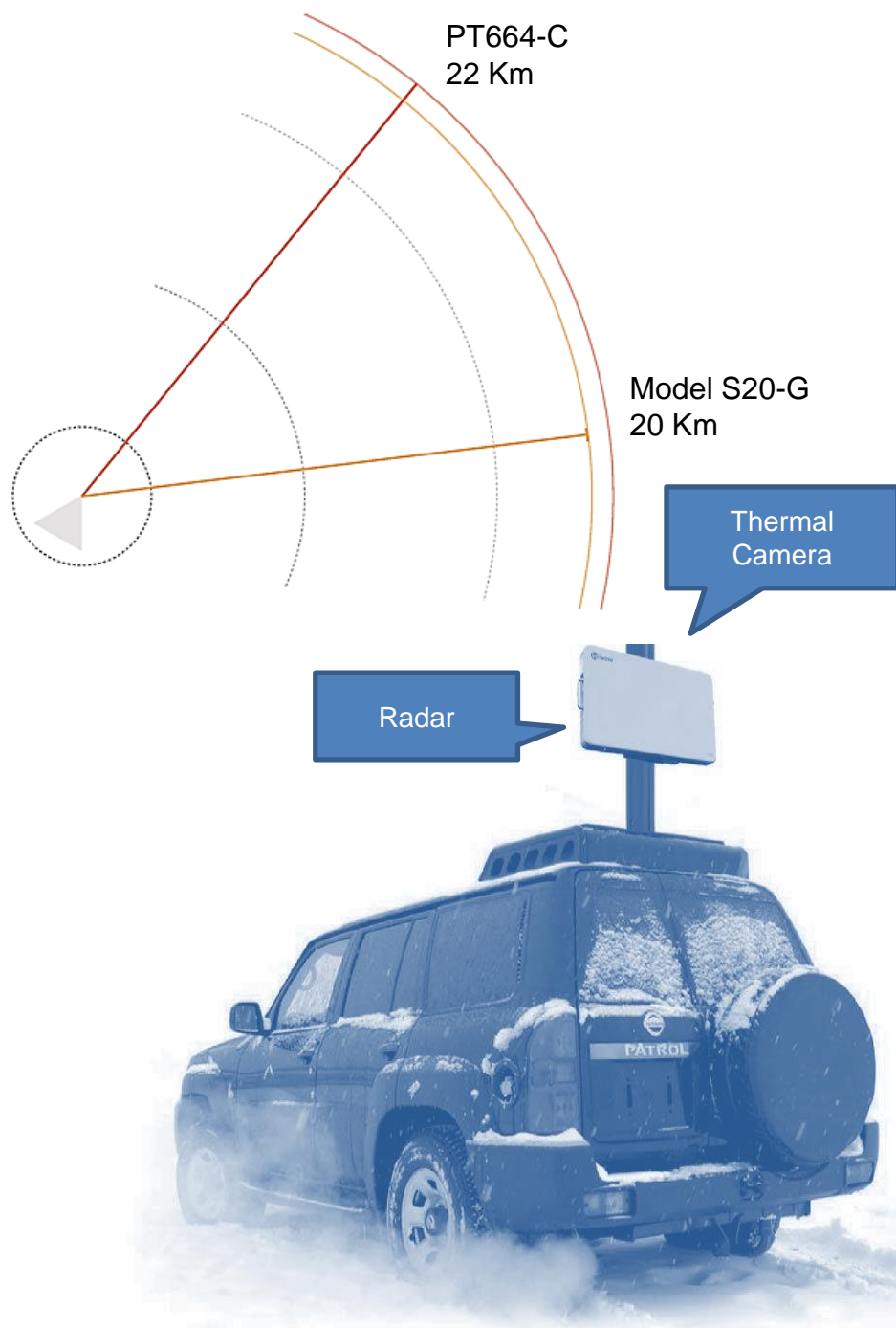


MOBILE SURVEILLANCE

INTERNATIONAL
ARMOUR
TM
www.armour.gr



S20-G RADAR



The S20-G is a Ku-Band pulse Doppler radar specially used in ground security monitoring.

It has the ability to carry out a large area, long-lasting, high-density search and monitoring of ground targets and instantaneous multi-target tracking.

It adopts a customized AI algorithm; not only it can monitor and classify ground personnel and vehicle targets, and it can also effectively warn against low-altitude drone intrusion.

With high detection accuracy and coverage wide, high installation flexibility, all-time, all-weather work and many other advantages.



AI Intelligence



Environment
Adaptability



Small Target
Detection



Easy
deployment



Multi Target
Processing



Integration



High Precision



Expansibility

S20-G Radar



Specifications	
Operating Frequency	Ku
Power Transmitted	10W
Azimuth Range	±45°
Pitch Range	8° (machinery ±10°, adjustable)
Velocity Measurement Range	0.2m/s-80m/s (radial direction)
Minimum Operating Distance	90m
Distance Precision	3m
Azimuth Angular Precision	0.3° or 0.5°(optional)
<u>Typical Target Detection Range</u>	
UAV (RCS 0.01m²)	3km
Walking person (RCS 0.5m²)	7km
Small vessel (RCS 4m²)	15km
Middle vessel (RCS 20m²)	20km (FSR)
Velocity Resolution	0.2m/s
Distance Resolution	10m
Azimuth resolution	3°
Data Refreshing Rate	>10Hz
Power Supply	AC 220V±22V, 50Hz±5Hz Storage battery: DC24V±2.4V
Overall Power Consumption	<130W
Dimension	575mm×282mm×84.5mm
Weight	15kg
Ingress protection	IP66
Communication Interface	Network interface
Operating Temperature Range	-40°C~+65°C

DUAL SPECTRUM EO CAMERA



With the application of high-performance cooled MWIR and uncooled MWIR thermal imaging modules, high-definition digital camera and telelens, the PTZ Camera can achieve high accuracy and long-distance imaging, which can meet the requirements of 24/7 monitoring.

With the high-speed, high-accuracy PTZ and high-performance anti-corrosive materials, the camera is designed to cope with the most challenging environments (both maritime and land use).

The professional platform software supports intelligent infrared video analysis, which can realize the surveillance for offshore and fast patrol vessels.



AI Intelligence



Virtualized
Panorama



Wide-Area
Scene



Real Time
Search



Multi-Target
Trajectory



Virtual Electronic
Fence



Intelligent PTZ
Camera linkage



All time



Adaptability to
Harsh
environments



Low Power
Consumption



Light Weight
Easy to Deploy



HD Picture
Quality

DUAL SPECTRUM EO CAMERA



Details	IRS-PT664-C	IRS-PT6S4
Max. Resolution	640x512	1280x1024
Sensor Type	MCT cooled IRFPA detectors	VOx uncooled FPA detector
Spectral Range	3.7 - 4.8μm	8~14μm
NETD	≤25mK	≤30mK (@25°C, F#1.0, 25Hz)
Pixel Pitch	15μm	12μm
Focal Length	30 – 360mm	30~300mm
Focus Mode	Auto/Manual	
FOV	18.2°x14.6° -0.9°x0.7° F number F4.0	24.3°x18.8°~2.5°x2.0°
Spatial Resolution	0.5 - 0.023mrad	0.040~0.400mrad
Color Palettes	18 modes selectable such as Black hot / White hot / Rainbow, etc.	
Image Sensor	High performance 1/1.8inch 4MP CMOS	1/1.8inch 4MP CMOS
Max. Resolution	2688x1520	
Focal Length	6 - 300mm 50xoptical zoom	10.5~920mm 88xoptical zoom
Focus Mode	Auto/Manual/One-shot Auto	Auto/Manual/One-shot Auto
FOV	Horizontal: 62° -1.6° Min.	Horizontal: 40.7°x 23.7° - 0.4°x 0.2°
Illumination	Color: 0.005Lux/F1.4 B/W:0.0005Lux/F1.4	Color: 0.005Lux/F1.4 B/W:0.0005Lux/F1.4
WDR	Support	
Power Protection	Support protection on over voltage, under voltage and reverse connection	
Power Consumption	200W	
Dimensions(mm)	46x748x437mm (WxHxL)	
Weight	42Kg	

