

MM/SPN-728

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Shipborne navigation and surface search radar

GENERAL

The shipborne surface search radar MM/SPN-728 has been designed to meet the requirements for surface search of today's naval units whose size or utilization call for a simple, low-price system while maintaining performances in keeping with the mission task requirements normally associated with war or patrolling ships. The "X" band MM/SPN-728 is obtained matching the transceiver of an high performance navigation radar with an high performance antenna group, including a low noise amplifier to enhance the radar sensitivity and therefore its surface-search capability. The digital video processor implements

various algorithms to improve detection. A digital scan converter makes available a TV video for presentation on TV monitors making possible to display the video in different points of the ship, due to the low cost of monitor repeaters. The resulting equipment is a search and high resolution navigation radar very suitable for operations on medium-weight ships. In addition, the employed antenna being broad band permits to integrate the "INTRA" System, extremely useful for localizing, with high accuracy the position of cooperating helicopters even when they fly at very low altitude.



OPERATIONAL FEATURES

- Surface target detection
- Aid to navigation

MAIN CHARACTERISTICS

- High resolution double curvature antenna
- Vertical coverage cosecant squared
- Medium power X band sensor
- High sensitivity receiver (L.N.A.)
- Four RF pulses
- Raster scan display (day-light)
- Video signal processing: CFAR, azimuth integrator

OPTIONALS

- Different antenna sizes provided with roll and pitch stabilized mount
- Integration with IFF antenna
- Easy Integration with "INTRA" System
- Monitor repeaters
- Frequency agile high power transmitter



SMA

SEGNALAMENTO MARITTIMO ED AEREO

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