Continuing our reputation of superior radar systems, Telephonics' search, surveillance and weather avoidance radar is the ideal choice for fixed- or rotary-wing maritime surveillance platforms.

Mission Success Starts With a Clear Vision
Telephonics' RDR-1700A radar is a lightweight, X-band and 360° digital color system offering standard display modes of:

- Aircraft heading reference
- North reference
- Ground reference
- Display offset

These modes, along with target marker capabilities, allow operators to determine range and bearing (latitude/longitude) of a target from the aircraft and relative range and bearing between targets. The system also has the capability to offset the sweep center to any location on the display and provides four operating modes:

- Surface search with sea-clutter rejection/terrain mapping
- Weather alert and avoidance
- Radar beacon interrogation and identification
- Test mode with continuous Built-in-Test (BIT)

The RDR-1700A interfaces with aircraft navigation systems to display radar returns, search patterns, waypoints and flight log information.

System Design and Capabilities
The RDR-1700A is designed for fixed- or rotary-wing aircraft engaged in maritime patrol, surveillance, rescue missions and precision terrain mapping. The system may be configured in numerous system configurations, but the major components consist of four Line Replaceable Units (LRUs):

- Receiver/Transmitter (R/T)
- Interface unit
- Radar indicators or radar control panel
- Antenna array and antenna drive
Options include three different sized radar multifunction indicators, a 15-inch console display, 8.4-inch console display, 6.4-inch cockpit display and a multifunction display with PAL formats in either RGsB or composite.

System capabilities include flight plan display, navigation inputs from GAMA ARINC 429 sources, target position transmission and a 20-target Track-While-Scan (TWS) processor providing location latitude and longitude, target heading and velocity.

Beechcraft KingAir 350

For additional information, contact Telephonics at 631.755.7000 or visit www.telephonics.com.