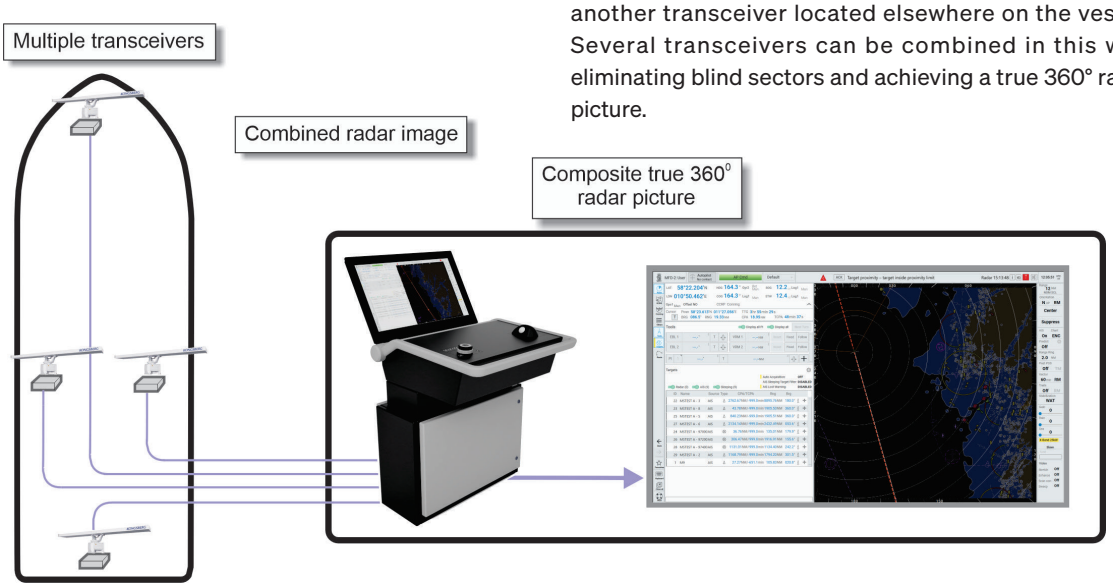
Radar CP360

KONGSBERG

Composite images achieve true 360° radar picture

The Radar Composite Picture CP360 combines radar images from multiple transceivers into a single 360° radar picture.

Combining radar images means that if part of one transceiver's view around the vessel is blocked by a physical obstruction (such as part of the vessel's superstructure), the missing radar input is supplied by another transceiver located elsewhere on the vessel. Several transceivers can be combined in this way, eliminating blind sectors and achieving a true 360° radar picture.



Features

- Certified cyber-secure, according to the requirements of IEC 61162-460 (2024).
- True 360° radar picture, no blind sectors, eliminates the need to monitor separate displays or to switch between different radars on the same display.
- Targets are tracked seamlessly as they pass between sectors of the picture from different transceivers.
- Distribution of radar signals on the LAN allows for greater distances between the antennas and the bridge.
- Adaptive (self-calibrating) clutter management makes it easier to see small targets in clutter.
- New signal processing technology enables the system to detect targets more quickly and effectively and to display them more clearly.
- Instant response to the gain and clutter controls (the entire radar picture is instantly transformed in response to a new gain or clutter setting by the operator).
- A digital radar interface unit converts analog radar signals from one radar transceiver to digital format and distributes them over the LAN to any number of radar operator stations on the vessel.
- A single digital radar interface unit replaces multiple legacy infrastructure components for radar.
- CP360 software provides efficient signal processing and supports tracking on multiple radar transceivers.
- Dual Gigabit Ethernet LANs provide the radar operator stations with redundant access to radar input.

Technical data

Standards	The equipment is designed to conform to the following standards: • SOLAS 74/2009 Reg. V/18 • IMO Res.A.278(VIII) • IMO Res.A.694(17) • IMO Res.A.823(19) • IMO Res.MSC.191(79) • IMO Res.MSC.192(79) • ITU-R M.1177-4 (04/11) • IMO Res.MSC.302(87) • IEC 60945 series, incl. IEC 60945 Corr. 1 (2008) • IEC 61162 series, incl. IEC 61162-460 (2024) • IEC 62288:2014 • IEC 62388 Ed.2.0 (2013-06)
Radar LAN	Dual Ethernet IEEE 802.3 Cables Fibre optics or Copper
Environmental specifications	In compliance with IEC 60945

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