



SAAB



R5 RIC Radar Interface Computer

The new R5 RIC Radar Interface Computer from Saab TransponderTech is a result of our on-going efforts to enhance all our products and stay in the forefront of technology.

The R5 RIC Radar Interface Computer features cutting edge signal acquisition and processing for high resolution digital radar video.

The platform has flexible interfaces so radars from a variety of manufactures can be used with the R5 RIC Radar Interface Computer.

Digitized radar video is delivered through standards compliant UDP/IP Ethernet at speeds up to 1 Gbit/s.

The R5 RIC can easily be remote controlled and monitored over Ethernet or RS232. Software for easy configuration and monitoring is delivered with the product.

MAIN CHARACTERISTICS

- Compatible with a variety of radars
- Flexible hardware interfaces
- Excellent performance and reliability
- Acquisition with up to 16-bit per sample
- Dual Acquisition at up to 100 Msps
- Built in NTP client
- Support for ACP/ARP
- Optional support for Syncro
- Full remote configuration and monitoring over Ethernet/RS232
- Limited monitoring and configuration over web interface
- Advanced Windows based configuration and monitoring tool software included



ELECTRICAL INTERFACES

- 2 Coaxial Radar video inputs with programmable termination
- 1 Gbit Ethernet for digital video input
- Coaxial Radar video sync input with programmable termination
- Azimuth Change Pulse and Azimuth Reset Pulse (ACP/ARP) with programmable termination
- Optional Syncro input
- GPS input
- 16 programmable digital inputs / outputs
- 4 programmable analogue inputs / outputs
- 8-bit LVDS digital video
- 1 Gbit Ethernet for digital radar video output
- 1 Gbit Ethernet for configuration and monitor
- 2 RS232 serial interfaces
- 2 USB ports

POWER SUPPLY

- 12 – 24 VDC
- 20 W

PHYSICAL

- 190 x 227 x 80 mm (L x W x H)
- 2300 g

ENVIRONMENTAL

- Operating temperature: -15 to +55°C



Specification subject to change without notice, 2016-11-09, Issue A