

## Radar Scan Converter Processor (RSCP)

This COTS RSCP hosts Scan Converter software, which processes the ship's radar video streams (as provided by the RIMs) for display on digital display consoles. Each RSCP supports up to four (4) Common Display System (CDS) consoles.

## Network Switch

The COTS network switch provides the copper and fiber-optic Ethernet connectivity to networked equipment within the following parameters: Hybrid 1000Base-LX and 1000Base-T ports, Managed Layer 2/3, Multicast support - IGMP snooping.

## Display Interface Modules (DIM)

Display Interface Modules (DIM) provide the conversion from the IP protocol data (as provided by RIMs) back into analog signals for legacy consoles. This provides the same gigabit Ethernet distribution, but to legacy displays as well. The DIM accepts gigabit Ethernet fiber optic data streams from the multicast switch, decodes the incoming messages, then converts the digitized video to analog format.

## HMI/NAV Processor

The COTS HMI processor hosts the localized user interface, system diagnostics and monitoring, and NAV processing software.

## 600 Watt Power Supplies

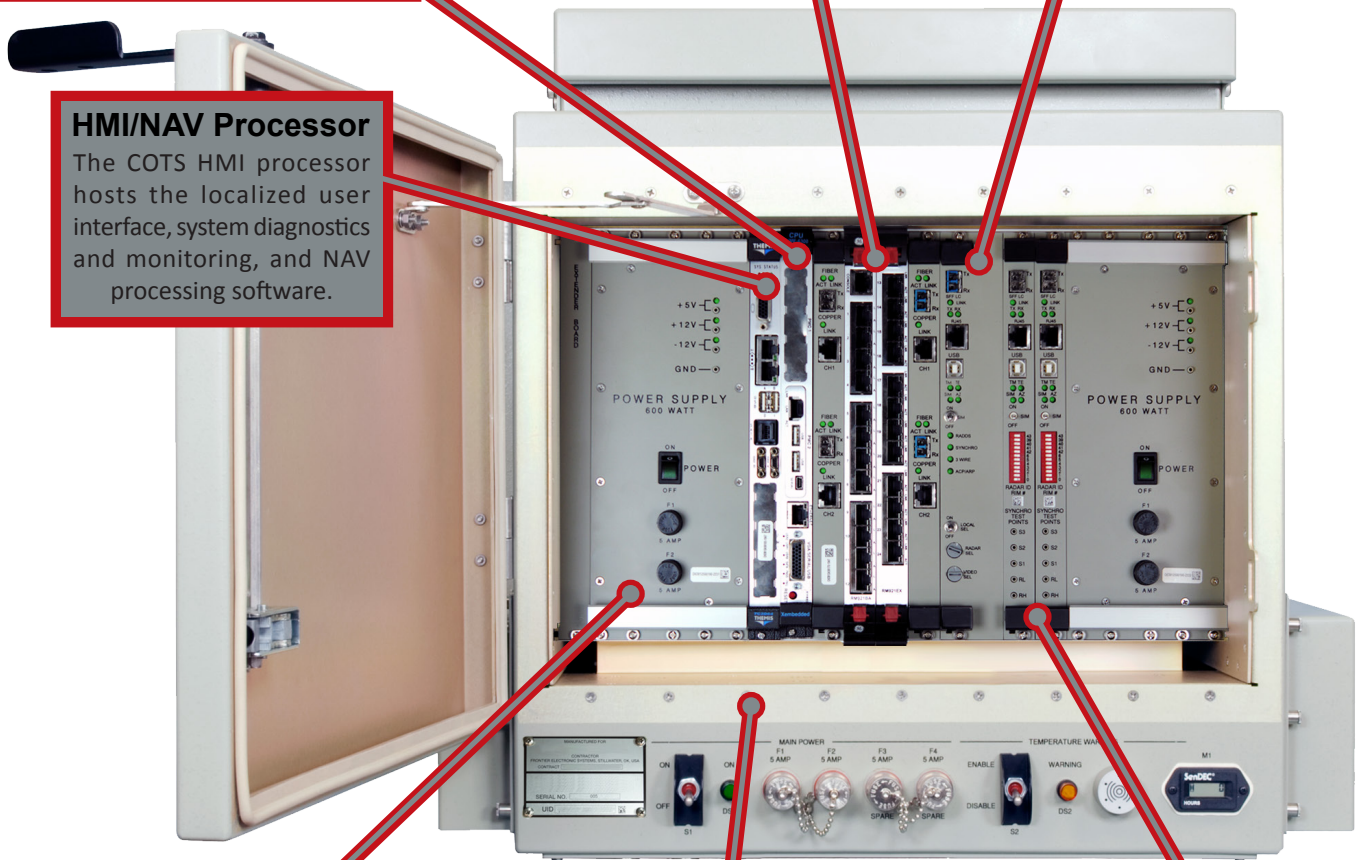
The chassis includes two (2) redundant Power Supply Modules, each of which can provide 600 Watts of power-factor-corrected DC power to the VME Card Cage Assemblies.

## Bulkhead or Rack Mountable

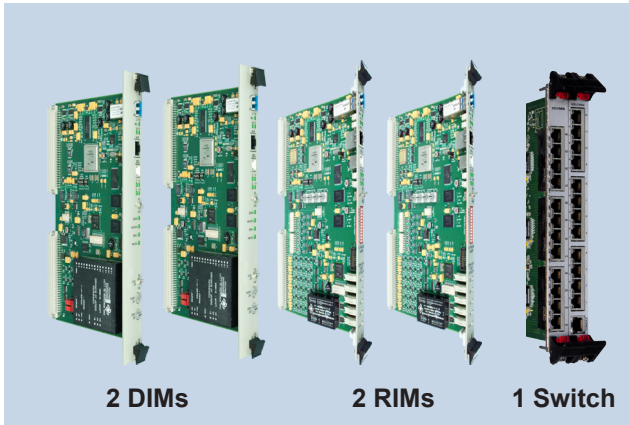
Our Scalable Radar Distribution technology is optimized for use in FES's bulkhead-mountable enclosure, but can also be optimized for use in any existing electrical equipment enclosure as a self-powered, add-on VME card cage. using our specially designed rugged enclosures.

## Radar Interface Modules (RIM)

Radar Interface Modules (RIM) convert analog radar signals to an open architecture Internet Protocol (IP) and deliver multicast packets over an Ethernet LAN. Each RIM accepts two (2) radar videos and a variety of azimuth format signals (ACP/ARP, SIN/COS, 5-Wire Synchro, 6-Wire SPY, and Resolver).

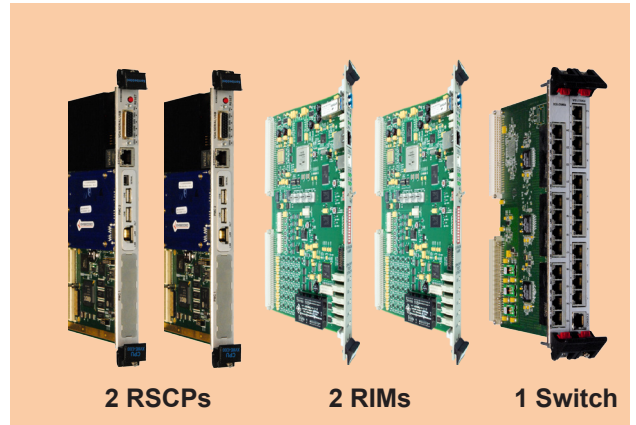


## Analog (Legacy) - Small Scale



2 Analog Display Outputs; 2 Digital Radar Inputs;  
Network Connectivity

## Digital - Small Scale

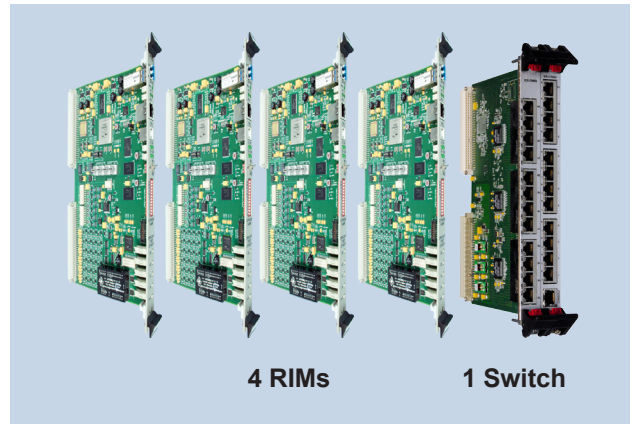


Up to 8 CDS Consoles; 2 Digital Radar Inputs;  
Network Connectivity

## Analog (Legacy) - Large Scale

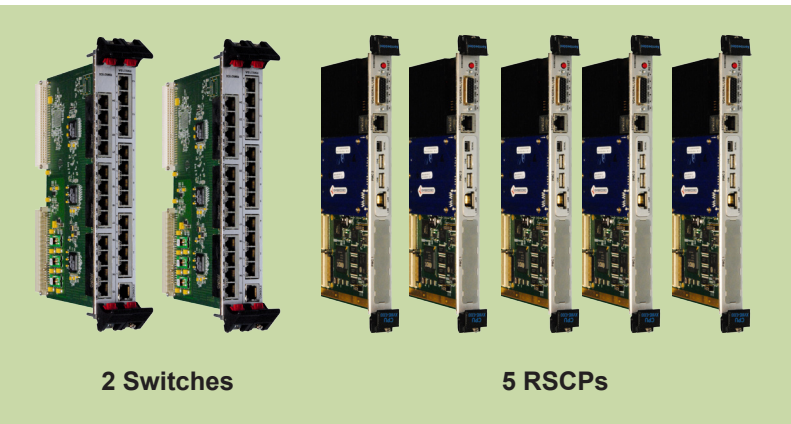


4 Analog Display Outputs



4 Digital Radar Inputs; Network Connectivity

## Digital Processing - Large Scale

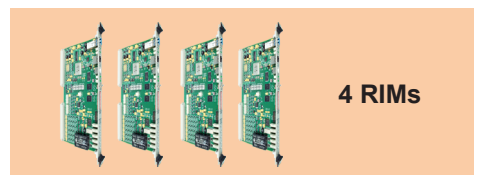


Up to 20 CDS Consoles; Network Connectivity

## Analog (Legacy) Processing



## Digital Processing



Add any combination of Digital and Analog signal processing



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