



Palomar Secure Communication Systems (SCS)

Versatile and secure intercommunications for multiple interfaces in multi-mission platforms

Robust communication solutions implement security and information assurance across converging networks

Palomar SCS solutions include switching and crew position units for airborne, shipboard, unmanned and ground applications for multi-mission platforms. Implementations include airborne secure interphones, shipboard secure voice switches (SVS), air defense ground stations and more.

Palomar solutions allow sharing of platform communication assets in simultaneous clear/secure/top secret modes among mission participants through multiple interfaces, such as T1, MIL-STD-1553 and Ethernet. Linked assets can include radios, SATCOM, datalinks (Link 11, Link 16 audio) and cryptos.

Our systems perform in many mission types including patrol, recon, attack, refueling and transport. They adapt to today's multi-domain, evolving battlespaces that encompass multiple converging information networks.

Our solutions allow the flexibility to transition to newer technologies and protocols within legacy environments, or to deploy completely new applications.

Fixed wing

- B-1
- P-3
- P-8
- AEW&C
- AWACS
- AC/MC/HC/KC-130
- E-3A / RE-6
- E-6A / E-6B
- CL-604 / 605
- LM-100 / 382
- C-27J

Rotary wing

- VH-3
- VH-60 / HH-60
- VH-71
- AW-149

Ships

- LCC
- LHA
- LHD
- CV/CVN
- BB
- CG
- DDG



Palomar Secure Communication Systems (SCS)

Advantages

- Proven for over 45 years in a wide range of platforms, environments and mission types, including 250 aircraft and 9 ship classes for 30 different customers
- Fast, accurate, highly reliable secure communication
- Optimized for the information based, net-centric battlespace
- Flexible, scalable architecture for multiple crew positions to match mission requirements
- Highly configurable through software
- Support for simultaneous clear and secure operation with wide range of encryption mechanisms
- Seamless integration of communication assets including Ethernet and VoIP
- SWaP-C advantages
- Certifiable to US FAA flight standards
- Environmental performance to MIL-STD-810 and DO-160
- TEMPEST: NSTISSAM 1-92 and 2-95A
- EMI/EMC: MIL-STD-461 and 464

Applications

Generation	Palomar SCS 1.0	Palomar SCS 2.0	Palomar SCS 3.0	Palomar SCS 4.0
Description	Analog switching	Large digital	Compact digital	Next gen
Large fixed-wing aircraft	●	●	●	●
Medium / heavy helicopters	●		●	●
Light helicopters / small fixed-wing aircraft			●	●
UAV / ground control			●	●
Shipboard	●		●	●
Ground vehicle				●



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