

LOCKHEED MARTIN



AN/UYQ-70 AEGIS Display System



**AN/UYQ-70 AEGIS
Display System**

The AEGIS Display System (ADS) (OJ-471) console variant of AN/UYQ-70 (Q-70) provides users with a choice of modular air- or water-cooled shipboard enclosures or Aegis-specific water-cooled versions. This ADS Console is Human Engineered to provide "Look-over" capability so AEGIS operators can clearly view large-screen displays located behind the unit. All use standard Q-70 modules and components to provide flexible commercial off-the-shelf (COTS)-based open system tactical computing and display solutions. This console includes X-terminal touch panels. The AEGIS-specific ADS consoles provide drop-in replacement of the OJ-471. Connectivity to the Alternate Path Fiber Distributed Data Interface (APFDDI) combat network is provided. The console is supported with the Q-70 standard suite of operating, development, and maintenance software and support products.

Mass Storage Devices

- Fixed or removable hard disk drives, capacity options of 2, 3, or 9 Mbytes
- 2-Gbyte removable hard drives
- Other Q-70 devices optional:
 - Erasable Optical disk (1.19 Gbytes)
 - CD-ROM (553 Mbytes) 4 mm (2 Gbytes) and 8 mm (5 Gbytes) DAT
 - .25-inch QIC tape (525 Mbytes)
 - 3.5-inch floppy

External Video Output Interface

- Internally generated tactical video available for external use
- RGB external output interface
- Formats to 60 Hz, 1280 x 1024 resolution
- Formats to PT-563, 1024 x 768
- RS 343A video output levels
- Fully managed under X-Windows, MOTIF GUI

Human-Machine Interfaces

- Main display options:
 - 19-inch magnetically protected color CRT
 - 20-inch Active Matrix Color Liquid Crystal Display (AMLCD) with flicker compensation for acoustic waveform display
- Keyboard
- Ergonomic trackball
- Dual X-terminal touch panels
- Adjustable operator footswitch
- LS-653 compatible communication panel option
- Various switches and indicators

Packaging

- 20-slot VME card cage available with a variety of backpanel splits (example 10/10)
- VME card cage extends on captive rails for easy access
- Internal cable management devices

Environmental

- Fully qualified and approved for shipboard use by OPTEVFOR

Reliability and Maintainability

- MTBF configuration dependent
- Actual field performance of over 4500 hours
- MTTR less than 30 minutes
- Supported by extensive built-in-test (BIT) and diagnostics

Program Support

- Engineering services are available to add new features and assist users with specifying configurations
- Operating and development software is available
- System engineering and application software development are available
- User maintenance support tools, including manuals, diagnostics, and training are available
- Full program management support to all users
- Automated ordering system

Technology Insertion

- Full management technology evaluation program for all users
- Open architecture provides ease of technology insertion
- SICV laboratory-supported testing of a technology before deployment

Integrated Logistics Support

- Full logistics management for support of all users
- Around-the-clock global fleet technical support center available
- Just-in-time support inventory
- All levels of logistics products provided (e.g., technical manuals, maintenance processes and procedures, ICDs)
- Training courses and materials for users

For more information, contact:

AN/UYQ-70 Marketing
Lockheed Martin
P.O. Box 64525
St. Paul, MN 55164-0525
(651) 456-3778
Web Page: www.Q70.com

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