

ALLSS Master Control Unit 19" Rack



MASTER CONTROL UNIT (MCU), MIL QUALIFIED 0457-6008

- In-Service Navy Proven
- 64 in / 16 out / 2 quad out
- Advanced DVR
- Wire Rope Isolator Shock Mounts
- Fully Qualified to US Mil Spec

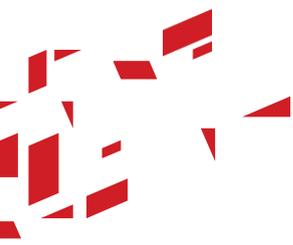
The 0457-6008 Master Control Unit (MCU) 19" rack is found at the heart of the Imenco Amphibious Low Light Surveillance System (ALLSS) and is typically located at a central signal marshalling and distribution point aboard the ship.

The MCU consists of a 64 input x 16 output video switcher and telemetry controller with 2 additional quad cards providing real-time quad camera images. An advanced 16 channel Digital Video Recorder (DVR) with 4TB internal storage on removable hard disk caddies is included.

This unit will allow archiving of video to various media (DVD, USB) and additionally has a Local Area Network (LAN) interface. A local rack mounted LCD monitor and front serial port panel are also included to assist in the configuration, diagnostics and maintenance of the system.

The video distribution amplifier unit provides up to 32 buffered composite video outputs for distribution to the ship's entertainment system.

The MCU rack has been fully qualified to meet the stringent US Navy requirements of MIL-STD-901D "Hammer" shock test, MIL-STD-167-1A shipboard vibration, as well as MIL-STD-416E EMI for surface ships.



Applications

- Naval Surface Ships
- CCTV Interface to Ship Entertainment System
- Video Switching & Control
- Recording & Archiving

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Technical Specifications

Performance, Electrical & Network	
Video Switcher	64 inputs x 16 outputs
DVR	16 channels, 4TB removable HDD
DVR Recording Rate	25/30 fps per channel, 200/240 fps max total (PAL/NTSC)
DVR Recording Resolution	720 x 576 (PAL), 720 x 480 (NTSC) Max
Video Export	DVD, USB and Network connection
Video Loop Through	32 channels of buffered video outputs
Monitor	17" SXGA LCD
Quad View	2 x quad cards, each combining 4 video channels to 1 video feed
Power Input	115V ac, 360VA nominal
Video Input	1V p-p (nominal) composite video
Video Output	1V p-p (nominal) composite video
Camera Telemetry Control	Up to 64 channels, RS485 or RS422
Keyboard Telemetry Control	Up to 16 channels, RS485 or RS422
Diagnostics	Front panel test/configuration serial port
Electro-Magnetic Compatibility	MIL-STD-461E, surface ships limits
Mechanical	
Dimensions	1.73m (H) x 0.61m (W) x 0.61m (D) (excluding shock mounting kit & lifting eyes)
Weight	251Kg including mounting supports
Standard Housing	Steel frame 19" rack painted matt black, aluminum panels anodised
Connectors	Power: LMJ 3102R 14S-7P, Video: BNC, Telemetry: glanded, Network: RJ45
Environmental	
Temperature Operating	MIL-STD-810F, 0°C to +40°C / 95% RH
Temperature Storage	MIL-STD-810F, -20°C to +60°C
Shock	MIL-STD-901D, Grade B, Class II
Vibration	MIL-STD-167-1A Shipboard, 4 to 25Hz

0457-6008_Datasheet_RevA

Specification subject to change without any further notice

