

# Video Node

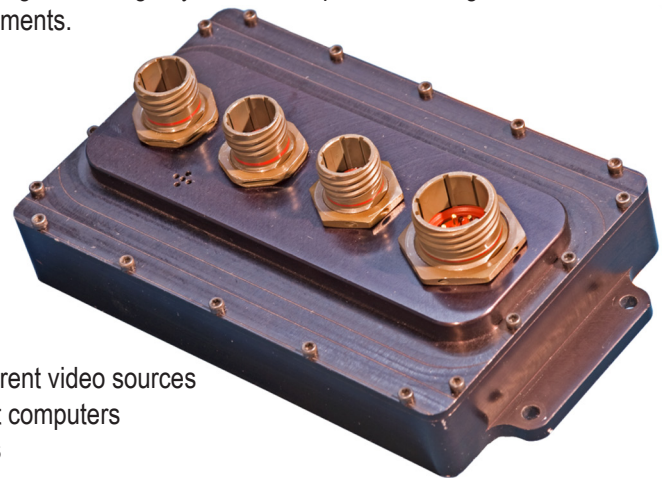
**Product Description:** The video node can be used as part of the Integrated Tactical Mobility System (ITMS) system or other applications that require digitized live or recorded analog video signals (via s/w). The core of the video digitizing node is an analog video to IEEE1394 (a.k.a. Firewire®) video digitizer that allows computers with IEEE1394 ports to view and process live or recorded video.

Each video digitizer can accept up to 4 different video input sources. The node houses 3 independent digitizers allowing up to 4 different video sources to be digitized. The digitizers are contained in a custom-designed, low profile, marine grade enclosure that is ideal for integration in military mobility platforms.

The video node was developed by Naval Surface Warfare Center, Dam Neck, in partnership with W R Systems, Ltd. The video node supports the Integrated Tactical Mobility System (ITMS); a small-craft, integrated bridge system which provides navigation and tactical information for the special operations forces operating in extreme environments.

## Features

- Operates in extreme, harsh environments
- Extremely small form factor
- Up to 4 video inputs
- Up to 3 individual computers per video node



## Video Node Specifications

- Supports 3 independent video digitizers, each processing up to 4 different video sources
- Digitizers can be daisy-chained together or can service 3 independent computers
- Supports interlaced and non-interlaced RS170A, NTSC video sources
- Supports real time video digitizing and viewing of video
- IEEE1394 interface allows for a remote computer to process and display video
- Integrated cost-effective solution for high-resolution applications

<b>Power:</b>	Self-powered from IEEE1394 connections Does not require any additional external power
<b>Physical size:</b>	7.75" x 4.20" x 1.37"
<b>Weight:</b>	2.75 lbs
<b>Operational Temperature:</b>	-20 to 50 C
<b>Interfaces:</b>	D38999 MIL SPEC connector
<b>Environmental:</b>	Air-tight sealed enclosure (waterproof and IP67-compliant) Survives 30 G shock and Sea State 5

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