

DATA SHEET

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Multi IOIOG

Simplifies multiple camera setup and remote control

Survives extreme, rugged environments

Rides on-board automotive sleds or aircraft

Key Features:

Common point for power, trigger signal, sync imaging signal, and download

Ready Status Output

Size: 4.5 in. (h) x 12.5 in. (w) x 5.5 in. (d)

Weight: 4.5 lbs.

Working Distances:

Ethernet: 100 meters (330 feet)

Fiber Optics: 475 meters (1500 feet)

Hi-g Rated to 100g

Key Benefits:

The Phantom Multi IOIOG unit simplifies multiple Phantom camera setups by acting as a multiple camera hub for sync imaging, communications, image downloads, and power. All functions of each camera can be accessed with the Multi IOIOG unit.



Multi IOIOG Unit

The Multi IOIOG controls up to four Phantom cameras by connecting to a single, local PC via 10/100/1000 Ethernet, or by connecting to a remote PC via an optional glass optical fiber link. Units can be daisy-chained to accommodate addition cameras. The Multi IOIOG also provides a video output for previewing images on a standard video monitor.

The Multi IOIOG powers each camera, and provides a common trigger signal, sync imaging signal, and if desired, IRIG-B time code. A ready signal from each camera indicates a camera is connected and acquiring images. The ready signals are monitored by the Multi IOIOG, which then provides a system ready signal when all cameras are in acquisition mode.

The Multi IOIOI permits synchronization of multiple cameras in several ways. For example, cameras may be synchronized using the camera's internally generated sync code, or internal IRIG-B time code. The cameras may also be synchronized to an externally generated sync code, or IRIB-B time code. If desired, asynchronous operation of the cameras is also permitted.

The Multi IOIOG is designed to function in extreme, rugged environments and bolts directly to the moving test platform/sled or aircraft. Because such environments are unfriendly to the non-hardened PC, the PC may be disconnected before a test, then reconnected afterwards. With this single reconnection to the Multi IOIOG images and data from all cameras can then be quickly downloaded.

AMETEK Vision Research's digital high-speed cameras are subject to the export licensing jurisdiction of the Export Administration Regulations. As a result, the export, transfer, or re-export of these cameras to a country embargoed by the United States is strictly prohibited. Likewise, it is prohibited under the Export Administration Regulations to export, transfer, or re-export AMETEK Vision Research's digital high-speed cameras to certain buyers and/or end users.

Customers are also advised that some models of AMETEK Vision Research's digital high-speed cameras may require a license from the U.S. Department of Commerce to be: (1) exported from the United States; (2) transferred to a foreign person in the United States; or (3) re-exported to a third country. Interested parties should contact the U.S. Department of Commerce to determine if an export or a re-export license is required for their specific transaction.