

# AVSIM-530

## Secure Isolation Module

The AVSIM-530 Secure Isolation Module provides an integrated secure dialing isolation module along with a secure/non-secure data switch for classified ISDN based video teleconferencing (VTC) applications. The dial isolation module is an optically isolated RS-366 path based upon the industry's first and leading product, the AVSIM-366 Dial Isolator. The secure/non-secure RS-530 data switch provides not only manual front panel switch control but also remote control capability via either RS-232 data or contact closure. The switch module has been physically and electronically designed to meet or exceed Tempest and Emissions standards to ensure that secure environments are not electrically compromised.

Historically, secure video teleconferencing systems required a separate dialing terminal connected to the ISDN network interface device to provide secure isolation for the system while passing dialing digits to the public switched telephone network (PSTN).

This is a separate function from the normal codec user interface and often also requires a separate operator. The dial isolator portion of the AVSIM-530 provides optical isolation on the RS-366 dialing interface automatically when the system is not in a call or the distant end has connected.

The need for the extra equipment and personnel is thus eliminated and furthermore the user utilizes the normal codec dialing interface making the security provisions transparent.

The secure/non-secure switch provides the ability to switch an encryption device inline for classified VTC calls while still allowing the system to also make unclassified calls.

Typically these switches are under manual control either requiring an operator or placed where the user can easily access the unit.

The AVSIM-530 provides the ability for the secure/non-secure switch function to be easily remoted. It can be as simple as a remote switch closure for the user or seamlessly integrated into a control system via easy RS-232 based ASCII commands. A contact closure output is provided to allow monitoring of the secure/non-secure switch mode.



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