

Gold Series A/V System

SL-1977-X 4x6 Video Buffer Isolator Module

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Features and Functions

- **Lightweight, modular design**
- **Use to eliminate Ground Loops interference on Video Distribution networks.**
- **Ultra high graded audio isolation transformer provided superb transfer characteristic.**
- **4 Isolated, Identical, 1 to 6 buffered Segments layout for easy diagnostic and installations.**

Description

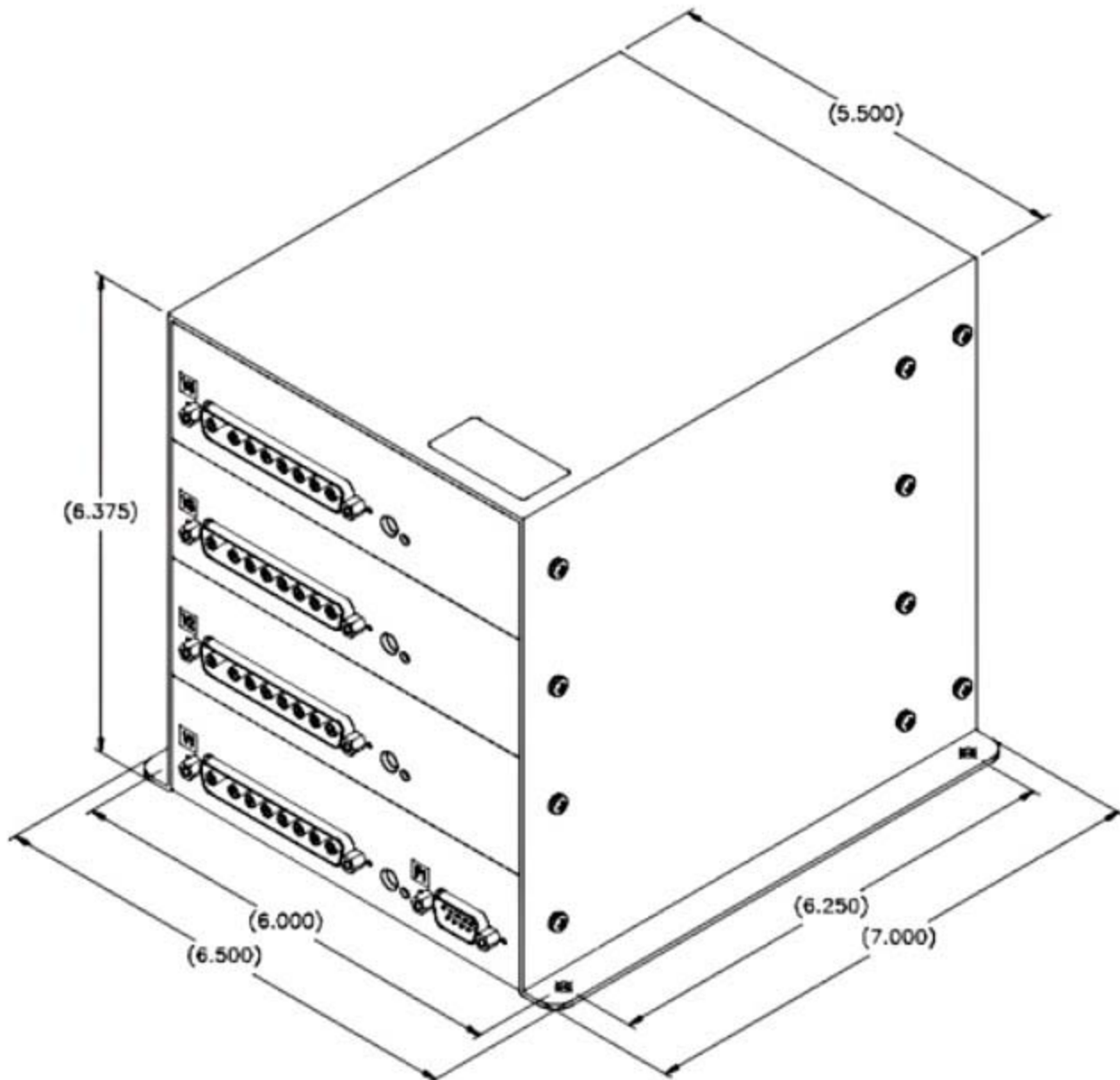
The SL-1977 module splits 4 Video inputs into 6 outputs per channel, bringing the total output channels to 24. The module provides ground isolation to minimize the ground loop effect, resulting in improved video quality. The flexibility provided by this design will allow for multiple A/V rack setups, while retaining high quality audio output.

Application

- **Buffer and distribute the video sources from the main source rack to six A/V distribution racks.**
- **Provide ground isolation to minimize the ground loop effect**

Mechanical Specification

- All dimensions are in Inch
- Material 5052-H32 Aluminum
- Chem-Film Finish
- Weight 5.2 lbs



Electrical Specification

- **Operating Voltage:** 17 ~ 32 VDC
- **Operating Current:** 0.2 ~ 0.8 Amps
- **Operating Temperature:** -10 ~ +55 °C
- **Buffered Channel:** 1 Input to 6 Outputs
- **Buffered Format:** Stereo
- **Total Channel:** 4
- **Video Inputs:** 1 Vp-p at 75 ohms
- **Video Outputs:** 1 Vp-p at 75 ohms
- **Ground Isolation:** 500 Volts Minimum

- **Connector:** D-Sub and Combo-D Series with #4-40 Jackscrew ('P' suffix with Positronic's V3 Tab)

System Interconnect Connector

Label	Description	Connector Type
P1	Power Interface Connector	D-Sub 9 pin Plug (Male)
JV1	Video Channel Interface (Vx)	Combo-D 8W8 Plug (Male)
JV2	Video Channel Interface (Vx)	Combo-D 8W8 Plug (Male)
JV3	Video Channel Interface (Vx)	Combo-D 8W8 Plug (Male)
JV4	Video Channel Interface (Vx)	Combo-D 8W8 Plug (Male)

Connector Pinouts

P1 Power Interface Connector 9 pin D-sub Plug (Male)

PIN	Function	PIN	Function
1	N.C.	6	N.C.
2	28 VDC Input	7	28 VDC Input
3	N.C.	8	28 VDC Return
4	28 VDC Return	9	Ground
5	Ground		

JVx D-Sub Combo 8W8 Male Video Input / Buffered Output Connector

A1	COAX CONTACT	Video Output #1
A2	COAX CONTACT	Video Output #2
A3	COAX CONTACT	Video Output #3
A4	COAX CONTACT	Video Output #4
A5	COAX CONTACT	Video Output #5
A6	COAX CONTACT	Video Output #6
A7	COAX CONTACT	Reserved
A8	COAX CONTACT	Video Input

Installation Notes:

- **FRAME GROUND:** Chassis Ground connection using 20AWG hookup wire minimum.
- **POWER INPUT AND POWER RETURN:** Power Pins



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