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Component Video & Stereo Models

Applicability Notice

This chapter contains specific information for the following Precis[LT] Models.*

* The Component Video and Stereo Models come in a variety of configurations. For information on model configurations not listed, contact your authorized AutoPatch Dealer.

Component Video & Stereo (BNC/5-Term)			
Front Control Panel		Blank Panel	
4x4	P37-0404-345	4x4	37-68
4x8	P37-0408-345	4x8	37-71
8x4	P37-0804-345	8x4	37-74
8x8	P37-0808-345	8x8	37-77

Component Video & Stereo (RCA/RCA)			
Front Control Panel		Blank Panel	
4x4	P37-0404-A43	4x4	37-56
4x8	P37-0408-A43	4x8	37-59
8x4	P37-0804-A43	8x4	37-62
8x8	P37-0808-A43	8x8	37-65

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Overview

Component Video and Stereo Models can route audio and video signals simultaneously or separately. For information on levels and control, see Control Panel Operations on page 32 or BCS Serial Control Protocol on page 40.

The Precis^{LT} Component Video and Stereo Models have two connector options. In one option, BNC connectors (see page 8) route component video signals and 5-Term stereo audio connectors route either balanced or unbalanced audio, depending on wiring. For information on audio wiring, see pages 11-12. In the second option, RCA jacks (see page 13) route both component video and unbalanced stereo audio signals.

Video Routing Options

Both models can be cabled to route any one of the following video signals over each input or output:

- Three component RGsB video signals (attach cables to all three of the video connectors)
- Three component Y/Pb/Pr video signals (attach cables to all three of the video connectors
- Y/c signals (attach cables to the top two video connectors)
- A single composite signal (attach cable to the bottom video connector)

Note: The Precis ^{LT} cannot route Y/c and composite signals or more than one composite signal for a single input or output.

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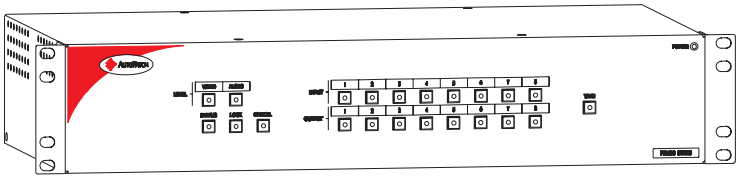


Figure 23: Front view of Precis^{LT} Model P37-0808-345 or P37-0808-A43

Note: The number of input and output keys vary depending on the configuration.

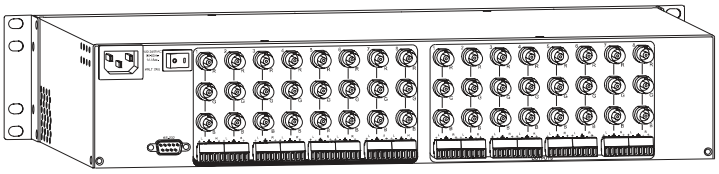


Figure 24: Rear view of Precis^{LT} Model 37-77 or P37-0808-345

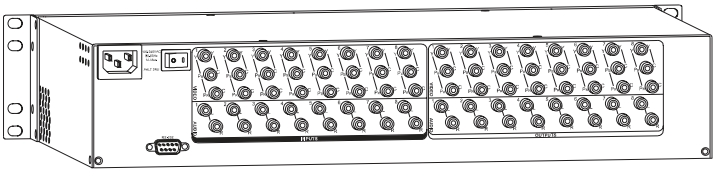


Figure 25: Rear view of Precis^{LT} Model 37-65 or P37-0808-A43

Product Specifications

For General and AC Power Specifications, see page 3.

Applies to Precis^{LT} Component Video & Stereo Models (BNC/5-Term)				
Blank Panels	37-68	37-71	37-74	37-77
Front Control Panels	P37-0404-345	P37-0408-345	P37-0804-345	P37-0808-345

Applies to the Precis^{LT} Component Video & Stereo Models (RCA/RCA)				
Blank Panels	37-56	37-59	37-62	37-65
Front Control Panels	P37-0404-A43	P37-0408-A43	P37-0804-A43	P37-0808-A43

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	Parameter	Conditions	Value
Component Video Throughput	Frequency Response	1 to All	+/-3 dB to 300 MHz or better +/-1.5 dB to 100 MHz or better
	Differential Gain*	f = 3.58 MHz 10 to 90% APL	<0.2% or better
	Differential Phase*	f = 3.58 MHz 10 to 90% APL	<0.2° or better
	Crosstalk (adjacent channel)	f = 5 MHz f = 30 MHz f = 150 MHz	<-70 dB <-60 dB <-35 dB
	Signal to Noise Ratio (SNR)	Vin = 0.7 V, 100% IRE	>65 dB

* Differential gain and phase measurements are preformed with a standard 5-step modulated staircase test signal.

	Parameter	Conditions	Value
Component Video Input	Level (max.)		+/-1.5 V
	Impedance		75 ohms
	Return Loss (BNC)	f = 5 MHz	<-45 dB
	Return Loss (RCA)	f = 5 MHz	<-42 dB
	Connector Types		BNC & RCA
Component Video Output	Level (max.)		+/-1.5 V
	Impedance		75 ohms
	Connector Types		BNC & RCA

	Parameter	Conditions	Value
Stereo Audio Throughput	Frequency Response	f = 20 Hz to 20 KHz	<+/-0.1dB
	THD + Noise	f = 20 Hz to 20 KHz Vin = -10 to +14 dB	<0.025%
	Crosstalk (adjacent channel)	f = 1 kHz Vin = +2 dBu	<-105 dB
	Signal to Noise Ratio (SNR)	f = 20 Hz to 20 kHz Vin = +14 dBu	>105 dB
	CMRR	f = 20 Hz to 20 kHz	>80 dB
	Connector Types		Pluggable 5-position terminal block & RCA

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	Parameter	Conditions	Value
Stereo Audio, Balanced & Unbalanced Input	Level (max.)		+14 dBu
	Impedance		18 kohms
	Gain Adjustment Range	Potentiometer adjustment	+6 dB to -6 dB
	Type		Balanced (5-Term) or unbalanced (RCA or 5-Term)
	Connector Types		Pluggable 5-position terminal block & RCA
Stereo Audio, Balanced & Unbalanced Output	Level (max.)		+14 dBu
	Impedance		50 ohms
	Type		Pluggable 5-position terminal block & RCA
	Connector Types		Pluggable 5-position terminal block & RCA

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