

MODEL 200 COMPONENT MULTIPLEXER

The MODEL 200 is used to multiplex (combine) dual source video, such as two cameras, into a single output stream. One use for this is to produce field alternate 3-D stereoscopic videotapes. Full RGB component multiplexing is available, 6 inputs and 3 outputs are provided.



The Model 200 selects one of two sets of inputs and applies it to the outputs in a field alternate manner, i.e., the left field is output from INS-1 and the right field is output from INS-2.

FEATURES

- Multiplexes many video formats including NTSC, PAL, and most component video such as RGB.
- Output is front panel selectable. Allows you to output either source independently or multiplexed.
- Output may be split-screened, either horizontally or vertically for parallax adjust and other adjustments.
- Split points are front panel adjustable.
- Sync on Y1 (internally patchable to Y2) or an EXTERNAL composite SYNC
- External Multiplex select on input AO is available
- DC restoration circuit on each of six inputs



The two input connectors on the back of the Model 200 are for use with Composite Video, and their combined output is at the OUT jack.

The EXT SYNC jack is an alternate composite sync input, and is selected by a switch on the front panel.

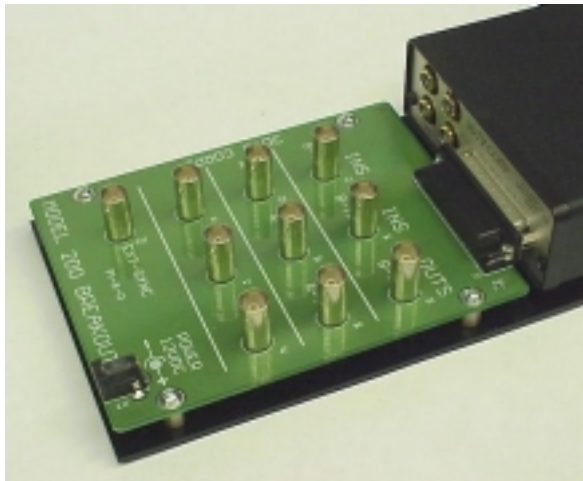
All jacks for composite video I/O and EXT SYNC on the Model 200 are RCA type.

Composite sync is normally detected on Y1, (internally patchable to Y2), and there is an input for EXT SYNC, front panel switch selectable.

Most component video formats will work because all input circuits are equivalent.

When the front panel switch is in AO L/R SELECT, a low logic level input on J11 sends INS-1 (left) to the output, a high logic level input on J11 sends INS-2 (right) to the output.

A breakout panel is available to fan out the DB connector, see data sheet.



SPECS

- Power supply 12VDC @ 300mA, CENTER POSITIVE ONLY
- 2.1mm DC jack
- Current consumption 180mA
- Model 200 size: 7 1/2" (19.05) x 4 1/8" (10.50) x 1 5/8" (4.12)
- Model 200 mounted on tray with Breakout Panel:
12.75" x 4.5" x 1.75"
- 50 Mhz bandwidth

DB25 PINOUT		
Pin #	Description	Note
1 thru 13	GND	All GNDs joined
14	+12 Volts Input	Center POS
15	B-Y OUT	
16	R-Y OUT	
17	Y OUT	
18	A0	Left/Right Select
19	B-Y2	
20	R-Y2	
21	Y2	
22	EXT. SYNC Input	Selected by panel switch
23	B-Y1	
24	R-Y1	
25	Y1	