

1:4 COMPONENT DISTRIBUTION AMPLIFIER

1 Input To 4 Outputs Component Video / Stereo Audio Distribution Amplifier

SB-3730-700



SB-3730 provide HDTV a high signal bandwidth with 4 outputs respectively. An ultrahigh speed current feedback amplifier with a phenomenal $5500V/\mu s$ slew rate that results in a rise time of 545ps, making it ideal as a pulse amplifier. The high slew rate reduces the effect of slew rate limiting and results in the signal Bandwidth 320MHz ($G=+1$). Delivers For HDTV component high resolution 480p, 576p, 720p, 1080i and 1080p signals distribution. Signal quality is main-tained over a wide bandwidth with worst-case distortion of -40dBc @ 250MHz ($G=+10$, 1Vp-p). Input and output connectors are RCA female type sockets. The SB-3730MRM is housed 19 inch 1U rack mountable metal cases, 1 RU high. All units are +12VDC powered and power adaptor is included.



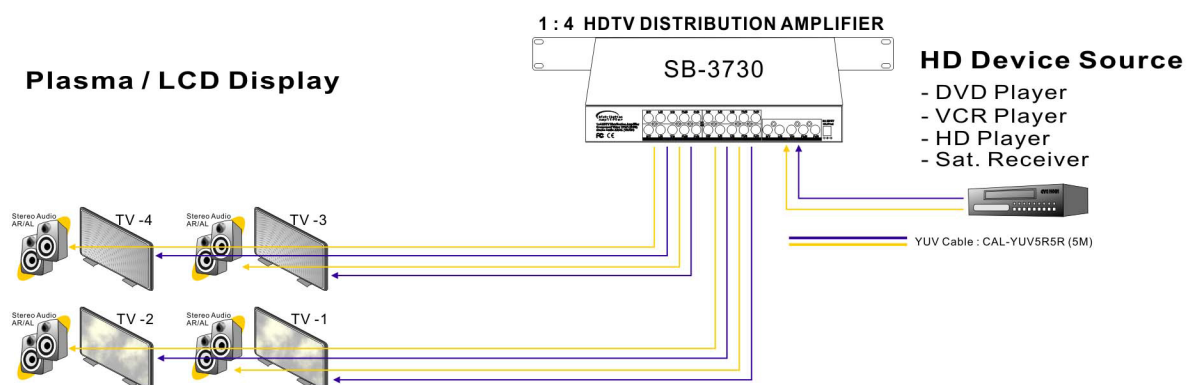
Key Features

- Support 1 input to 4 outputs HDTV Component Distribution Amplifier
- Support 2 and 4 outputs versions available
- Small Signal Bandwidth : 320MHz(-3dB), $G=+1$
- Slew Rate : **5500 V/ μs , 4V Step, $G=+2$**
- Settling Time 10 ns to 0.1%, 2 V Step, $G=+2$
- Low Distortion over Wide Bandwidth
- High resolution Support HDTV 480p, 720p, 1080i60, 1080P
- Goods Video Specifications Gain Flatness 0.1 dB to 75 Mhz
- High Output Drive 175 mA Output Load Drive
- Scan rates accepted : 50Hz or 60Hz
- Drive HDTV displays up to 150 feet away
- Limited warranty : 2 years parts and Labor
- Regulatory Approvals CE, FCC, RoHS (2002/95/EC)
- Enclosure type : Support 19 inch 1U Ear/Rack mountable
- Support Lower power consumed full load under 500mA

Specifications

Type of Amplifier	1 input To 4 outputs Component Distribution Amplifier
I/O signals	Component (YPbPr), Digital(PCM), Audio(AR/AL)
Video Bandwidth	320 Mhz (-3dB)
	Component Video Bandwidth : Y=320Mhz
	Pb=320Mhz, Pr=320Mhz
	Stereo Audio : AR=60Mhz, AL=60Mhz
Slew Rate	5500 V/ μs , 4V Step, $G=+2$
Gain flatness	0.1 dB to 75MHz, $R_L=150\Omega$
	0.01% differential gain error; $R_L=150\Omega$
	0.01 differential phase error; $R_L=150\Omega$
Low distortion SFDR	-66 dBc @ 20 Mhz, Second Harmonic
	-75 dBc @ 20MHz, Third Harmonic
High Resolution	Support 408p, 720p, 1080i and 1080p
Test Amplifier	FCC, CE, RoHS (2002/95/EC)
Power Supplies	UL, CE, CSA, TUV, BS
Dimensions (W.D.H.)	11.96 " (W) x 5.90" (D) x 1.73" (H)-1U
Net Weight (Unit Only)	About 1468 grams (with metal case)
Power Voltage Input	DC 12V @500mA, ~3A accepted

Installing



Made in Taiwan