

# IN3504/ IN3506

## 4-In 1-Out / 6-In 1-Out RGBS Switchers



The **IN3504** and **IN3506** are high performance RGBS switchers. These units allow users to select between four or six video sources, routing the selected source to an attached video output device such as a data monitor or projector. Both models are identical in function and design, with the only difference being the number of inputs:

The **IN3504** is a 4-Input, 1-Output RGBS switcher. The **IN3506** is a 6-Input, 1-Output RGBS switcher.

**Passive Design for Wide Compatibility** - The **IN3504 / IN3506** switchers route analog video signals in the RGBS format. These units are completely passive, and may also be used with many other signal formats including RGsB, RsGsBs, monochrome high resolution video, as well as NTSC / PAL / SECAM sources in the component, Y/C, or composite video formats.

**Front Panel Control** - Users select the desired input by pressing a front panel button. Each time a button is pressed, the switcher selects the appropriate input and an LED lights to indicate the currently selected input. All non-selected inputs are terminated to 75 ohms.

**A Remote Control Port** - (15-Pin D female) is also provided, allowing the switchers to be remotely controlled by any device which is capable of providing momentary or latching contact closures. This port also includes a +5V power supply and tally outputs to provide feedback to a control system.

**Wired Remote Control** - The **IN3590** remote control provides remote switching capability. This hardwired unit features a 25' cable and duplicates the front panel channel selectors.

**Stereo Audio-Follow-Video** capability may be achieved using an optional **IN3546R** stereo audio switcher in conjunction with the **IN3504 / IN3506**. The **IN3546R** attaches to the remote port, receiving both power and switching commands from the attached RGBS switcher.

Cable selection is critical to overall system performance, especially when dealing with very high scan rates and/or long cable lengths. High resolution coaxial cables such as the **IN7000-4**, **IN7100-4**, **IN7200-4** and **IN7300 Series** are recommended for all input and output connections.

Two units may be mounted side-by-side in a 2U rack space using the optional **IN9081** rack shelf. A single unit may be rack-mounted using the **IN9081** rack shelf and an **IN9085** half-rack blank panel.

**INLINE®**

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### FEATURES

- Allows One Monitor, Data Display or Other Output Device to Share the Signal from Four or Six Video Sources
- Front Panel Channel Selection Buttons with LED Indicators
- Optional Wired Remote Control
- 500 MHz Video Bandwidth
- Compatible with RGBS, RGsB, RsGsBs, Component, S-Video and Composite Video Signals
- BNC Input and Output Connectors
- Internal Power Supply
- Rack Mountable in 2U Space With Optional Rack Shelf
- Durable Metal Case Enclosure

### SPECIFICATIONS

#### INPUTS:

Connectors:

**IN3504** - Four Sets of 4 BNC female for RGBS

Video & Sync.:

**IN3506** - Six Sets of 4 BNC female for RGBS

5 Vp-p max. Selected channel is passive.

Non-selected channels are terminated into 75 ohms

#### OUTPUT:

Connectors:

4 BNC female for RGBS

Video:

Passive units. Output video levels are identical to the input signal

#### GENERAL:

Bandwidth:

500 MHz @ -3dB

Switching Time:

2.0 mSec typical

Power Supply:

Internal 115 / 230 VAC, 50 / 60 Hz (Selectable)

Power Consumption:

8 watts

Shipping Weight:

6 lbs. / 3 Kg      Product Weight: 3.5 lbs. / 1.6 Kg

Dimensions:

3.4" x 8.5" x 5.1" / 8.6cm x 21.6cm x 13.0cm

Optional Accessories:

**IN7000-4**, **IN7100-4**, **IN7200-4**, **IN7300-5** Cables

Available in Lengths from 3' to 250' or in Bulk

**IN3590** Wired Remote, **IN3546R** Stereo Audio Switcher

Regulatory Approvals:

UL1950, CAN/CSA-22.2 No.950, Third Edition

CE: EN55022 (1987), EN50081-1 (1991),

EN50082-1 (1992 and 1994), EN0950-92