

Video Adapters

To drive component (YPrPb) HDTV displays from VGA (RGB) devices (like PC's), choose our...

Clear Color3

KD-VTCA3



When you need to drive a component (YPrPb) HDTV display with a VGA (RGB) device (such as a computer).

VGA (RGBHV) Input to Component (YPrPb) Output and active VGA loop-through Video Adapter, with SCART compatibility.

VGA to Component Video adapter. ClearColor3 is the world's smallest adapter on the market to "glue" your HDTV Set Top Boxes or personal computer (PC) video VGA (RGBHV) outputs to your Component Video (YPrPb) HDTV monitor. ClearColor3 works with HDTV RCA[®] Set Top Boxes, and HD monitors like Panasonic[®] and Sony[®]. With ClearColor3, there is also SCART output. An active VGA loop-through permits you to simultaneously drive a VGA and Component Video monitor. Each unit works with all video formats -- 480p, 720p, 1080i/540p, NTSC, PAL, interlaced, progressive. With our very cost-effective ClearColor products, you get crystal-clear processing and you can drive monitors with cable lengths up to 50 feet.

Inputs

- One VGA (RGBHV) input on DB15 connector (frequently used for VGA/computer)
 - extra DB15 connector for loop-through
 - RGB: 0.7 V p-p, 75 Ohm, terminated
 - H&V Sync: positive or negative TTL

Processing

- HDTV colorimetry matrix
- Video bandwidth -3 dB at 110 MHz, linear-phase passband, for crystal-clear display
- Outputs can drive cables up to 50 feet
- "Special Sync" mode (switchable) provided to accommodate Panasonic[®] Direct View HDTV monitor connected to RCA[®] DTV Set Top Box
- Special Composite Sync (CS) decoding from H pin of DB15 connector for compatibility with SCART RGB CS inputs

Control and Adjustments

- Auto Mode automatically adjusts for ANY incoming video scanning format
- SCART or RGBHV input sync selection

Technical Specifications

Accepted Scanning Formats

- 50 Hz or 60 Hz refresh: 480i, 480p, 576i, 576p, 1080i/540p, 720p
- Output scanning for mat is always the SAME as the input scanning format

Outputs

- Component Video (YPrPb):
 - three RCA connectors
 - RGB: 1 V p-p, 75 Ohm terminated
- Composite Sync on Y, Pr, and Pb
- Drives Component Video monitor, plus VGA monitor (via loop-through), plus SCART

Mechanical

- DB15 (typical for VGA), RCA (for Component Video), and SCART connectors
- Size: 2" x 4.75" x 0.75"
- Weight: 1 lb.
- Enclosure type: Plastic
- Input Power: External power supply provided, 110-240V AC, 50-60 Hz, 0.4 A

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