

R Y / B Y / Y to Composite Conversion Methods

Here are some suggested methods for converting the R Y / B Y / Y component signals to NTSC composite video. These of course are just block diagrams and not complete circuits.

There are trade offs involved, the first two circuits require conversion to R G B which can be done with the conversion circuit I have documented elsewhere. Analog devices chips make the second step easy but they may be hard to find.

The M C 1377 chip is the easiest to find and the cheapest (around \$2) but it requires more external components. It essentially performs the same function as the AD624 devices chips.

The M C 13077 has direct R Y / B Y / Y inputs, elsewise it is almost the same as the AD624. It also requires more external components. It is harder to find, but is probably the best solution since it does not require the R G B conversion step.

