

## Re: TV Video Overlay circuitry?

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mitch wrote:

- > I need to produce a simple, very low cost product which is a TV set-top
- > box to be connected inline with the TV signal cable

Which type of signal ? ( see below )

- > that will generate
- > simple preprogrammed animated overlays. The TV program image will not
- > be affected, just overlaid.
- >
- > I have Googled this but only find add-on graphics cards for PCs which
- > cost several hundred dollars. I need something which can be mass
- > produced cheaply.
- >
- > Could this be manufactured cheaply (say under \$10-\$20)?
- > What kind of circuitry/chips would I need?
- > How do I program the animations?
- > Where can I find out about this?
- >
- > Could someone please point me in the right direction?

First off you need to determine if the set-top box is doing the overlay to an RF signal or simply a video signal. Or indeed demodulating a RF signal and supplying a video signal to the TV set.

There's 3 common ways to get a picture signal into a TV set.

1. RF signal ( using an aerial / antenna connector )
2. Composite video ( usually on an RCA jack )
3. RGB input ( in Europe this would be on a SCART connector – dunno about USA – the mini-DIN 'SVHS connector' also does RGB )

All of these possibilities require different levels of complexity. RF in / out requires an RF receiver and re-modulator for example where as the other 2 don't.

If you need to ask these questions I seriously hope you don't plan to attempt the project yourself.

Graham

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