

Re: Embedded OSD (Not STV5370A)

Source: <http://coding.derkeiler.com/Archive/General/comp.arch.embedded/2004-08/1348.html>

From: Paul Carpenter ([paul\\$_at_pcserv.demon.co.uk](mailto:paul$_at_pcserv.demon.co.uk))

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On Monday, in article

<bTKhgiB01QIBFwcx@clintsmc.demon.co.uk>

clint@clintsmc.demon.co.uk "Clint Sharp" wrote:

>In message <20040815.2159.302184snz@pcserv.demon.co.uk>, Paul Carpenter
><paul\$_at_pcserv.demon.co.uk> writes
>>Sounds like a time/date generator for CCTV recording... Lots already
>>exist, last one I bought was about 40 pounds in UK (www.cpc.co.uk have
>>several available).
>Close, but I need to be able to overlay serial data, it's for recording
>checkout transactions with the camera output. Might be worth hacking one
>of the CPC units though.
>> Unless I needed it for part of a design I personally
>>would not reinvent the wheel, unless it is a project to learn about.
>Well, I'd prefer not to have to reinvent the wheel, but I really don't
>>want to have to pay almost 1000ukp per site (four sites, five checkouts
>each)

Once you consider all the parts (including power, connectors, case), unless you have something that easily allows this to be added to that already processes the video; you may well find getting below 50ukp per unit is difficult.

>>Most OSD modules/chips work in RGB domain as they are *_mainly_* used in
>>monitors that are in RGB domain. Philips have a bunch often with I2C
>>interface.
>>
>>Work out what you actually need, i.e.
>>
>> 1/ does it have to be colour or monochrome?
>Colour would be nice as I could then select for maximum contrast against
>a range of different backgrounds.
>> 2/ does it need black borders or grey borders around the text?
>Would be nice to have a black outline for readability but other than
>that I don't need it.

Making the background a box at grey that is mixed with the background is one trick film/video subtitling is done to achieve the same effect.

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>> *3/ does it need graphic symbols?*

>*Hmmm, pound sign would be nice but not essential.*

I was thinking more like graphics such as icons or larger things like logos.

>>*If you are using monochrome and simple character sets,*

>*Snipped lots of useful information, thanks for your reply.*

No problem, been messing with video and image processing for too many years.

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<<http://www.pcserv.demon.co.uk/>> Main Site

<<http://www.gnuh8.org.uk/>> GNU H8 & mailing list info.

<<http://www.badweb.org.uk/>> For those web sites you hate.