

Re: help with temp display for my Unimog

Source: <http://sci.tech-archive.net/Archive/sci.electronics.design/2006-12/msg03499.html>

- *From:* Jan Panteltje <pNaonStpealmtje@xxxxxxxxx>
 - *Date:* Mon, 18 Dec 2006 08:33:50 GMT
-

On a sunny day (Sun, 17 Dec 2006 20:50:04 GMT) it happened
5joneses@xxxxxxxxxxxxx (doug) wrote in
<4585ad5a.11496881@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx>:

A small lcd display would be nice, or some way to display it on another screen/monitor as I'm trying to figure out a back-up camera and could display the temp info on that monitor. It's a small 5.5 inch b&w crt display with a few inputs. I'm open to anything.

In case of a backup camera make sure the display can flip horizontally (mirror) and that will screw up any character generator display.

If we however have a 'flip' switch or input on that monitor, and if it accepts composite (NTSC or PAL), then I would:

Use an SAA5246A teletext chip to add text to the composite video from the rear view camera, but blank the text in reverse mode.
Or use the SAA in standalone mode on the not flipped input.

Then use a small PIC microcontroller with 10 bit ADC and input mux, to drive the SAA5246A via i2c (text goes via i2c too).
The SAA5246 needs an SRAM chip for display storage.

I have designed systems like that, driving i2c from the PC, for video subtitling.

It would require you to: understand i2c protocol, program a PIC in asm, build a board, make it car electrical system proof.
Not for beginners.