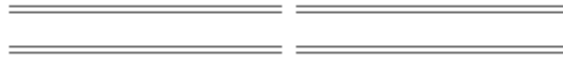


Video S/W



I saw a number of people were generating video (mostly NTSC) using AT90S1200 or PIC micros. The video in were either very chunky or the processor was fairly fast (16MHz). This made me curious about what I could ac using a normal 8MHz AT90S8535.

At the moment the software, which is written is assembler, generates true PAL 625 line interlaced video with a by 16 dot mapped graphics area at the top of the screen, real time clock, scrolling messages and heaps of spa to do other processing.

The asm code is [HERE](#) for the first grubby release, and this is a [HEX](#) file. The assembler I use is AVRA.

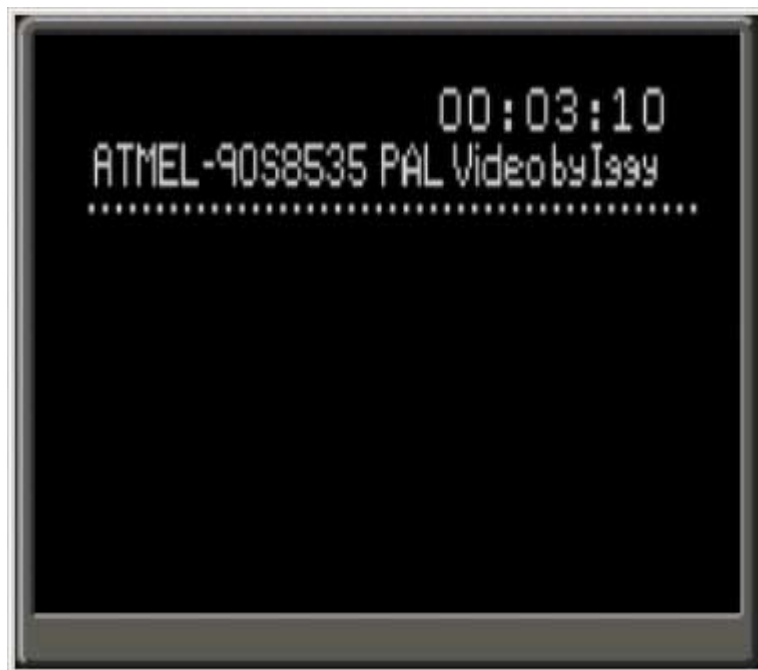
Specs:-

- ◆ PAL 625 line interlaced video.
- ◆ Now 20 characters across, ie. 160 pixels.
- ◆ Scrolling dot addressable message.
- ◆ Each character cell is 8 by 8 pixels.

To Do:

- ◆ RS232 control of messages.
- ◆ Canned messages from i/o pins.
- ◆ Bar graphs of A/D converter channels.
- ◆ Maybe NTSC conversion.... (hmmm.... bugger).

This is a shot of what comes out of VIDEO2.ASM.



This is the absolute first thing I managed to generate.

