

arduino-tvout Public

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jovino**bunny** Update font4x6.cpp (#156)

109167d · 5 months ago

TVout	Updated TVout.h to add ...	last year
TVoutfonts	Update font4x6.cpp (#156)	5 months ago
examples	beta 1.0!!! unless I find so...	15 years ago
pollserial	Mojo r changes to font re...	15 years ago
spec	Fix of a lot of misspellings	6 years ago
README.md	Update README.md	5 years ago
TVout.cpp	Fix memory corruption in...	3 years ago
TVout.h	Fix of a lot of misspellings	6 years ago
TVoutPrint.cpp	Fixed TVout::write to allo...	3 years ago
keywords.txt	beta 1.0!!! unless I find so...	15 years ago

Arduino-TVout

#arduino #video #arduino-library #pal #ntsc

Readme

Activity

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Releases 4

1.0.2 Latest on Nov 18, 2022

+ 3 releases

Packages

library.properties	Update library.properties	3 years ago
version history.txt	Fix of a lot of misspellings	6 years ago
video_gen.cpp	beta 1.0!!! unless I find so...	15 years ago
video_gen.h	beta 1.0!!! unless I find so...	15 years ago

No packages published

Contributors 10



README



Arduino-TVout

C++ 82.3% C 16.5%
Processing 1.2%

Hosted here to keep it available from Arduino IDE
(and for simple download as the original Google
Code has been archived).

In order to use the library, place this library's folders (TVout and TVoutfonts) in your libraries folder.

This is a library for generating composite video on an ATmega AVR microcontroller.

This branch of the TVout library has been patched to allow use with the Arduino Leonardo. The goal of this project is to create a simple interrupt driven library for generating composite video on a single AVR chip.

Currently the output is NTSC or PAL at a resolution of 128x96 by default. The library currently works on ATmega168,328,1280,2560,644p,1284p,32U4,AT90USB1286 and more can be added by editing spec/hardware_setup.h.

There are some timing issues with the m1284p, may be related to sanguino core.

MCU	SYNC	VIDEO	AUDIO	Arduino	SYNC	VIDEO	AUDIO
m168,m328	B 1	D 7	B 3	NG,Decimila,UNO	9	7	11
m1280,m2560	B 5	A 7	B 4	Mega	11	A7(D29)	10
m644,m1284p	D 5	A 7	D 7	sanguino	13	A7(D24)	8
m32u4	B 5	B 4	B 7	Leonardo	9	8	11
AT90USB1286	B 5	F 7	B 4	--	--	--	--

Connections

SYNC is on OCR1A and AUDIO is on OCR2A (except on the Arduino Leonardo, where AUDIO is on OCR0A)

There are some timing issues with the m1284p, may be related to sanguino core.

On NG, Decimila, UNO and Nano the sync is pin 9, video on 7 and audio on 11. On Mega2560 sync is pin 11, video is on A7(D29) and audio is on pin 10.

Examples

https://youtu.be/MEg_V4YZDh0