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7" Display 1280x800 (720p) IPS + Speakers - HDMI/VGA/NTSC/PAL

PRODUCT ID: 1667

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☐ **Also include 1 x 12V DC 1000mA (1A) regulated switching power adapter - UL listed ()**

☐ **Also include 1 x 9 VDC 1000mA regulated switching power adapter - UL listed ()**

☐ **Also include 1 x HDMI Cable - 1 meter ()**

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DESCRIPTION

TECHNICAL DETAILS

DESCRIPTION

Yes, this is an adorable small HDMI television with incredibly high resolution **and built in 3W stereo speakers**! We tried to get the smallest possible HDMI/VGA display with high-res, high-contrast visibility. The visible display measures only 7" (17.8cm) diagonal, and the TFT comes in an enclosure with HDMI, VGA and Composite inputs. The display is very easy to use - simply connect a 9 to 12VDC adapter to the 2.1mm center-positive DC jack (not included) then connect a digital video source to one of the ports. Voila, a television display!

There's some little buttons on the front that let you enter a menu system for adjusting brightness, color and contrast. It auto-detects which input you have and switches to that one or you can 'select' from the menu which to display. It comes with a basic stand (shown) and there are four 'mounting thread' holes in the back in a 75mmx75mm square and you can use M4 screws to attach it to an enclosure. There's also a "Camera Mount" 1/4-20 hole in the bottom so you can attach it to a camera-ready mount.

To demonstrate it, we took some photos with the display connected to a Raspberry Pi, but it will also work connected to any device with HDMI, VGA or NTSC/PAL output. It will not work with a device that only outputs DVI (without a DVI to HDMI adapter) or SECAM.

There's also a slot in the side for a USB stick. In theory if you put some MP3's , pictures or videos on the stick and plug it in you can use the display as a viewer (but we haven't tried it). There'a also an audio line-in 3.5mm jack, so if you want to use VGA you can pipe in audio from an external source. It *doesn't* work with NTSC input though! The + and - buttons on the front allow you to quickly change the speaker volume. Its not a HiFi but its fairly loud and good for movies & games.

Works great with a Raspberry Pi or a BeagleBone Black, as well as our XBox, Windows desktop and Macbook (with an HDMI adapter cable). Some OS's such as Windows may require you to set the audio output to the external display but with the XBox & RasPi it immediately used the speakers without any poking or prodding.

A power adapter is not included. Any 9 to 12VDC adapter will work nicely: we prefer 9V DC. Video will work with 5-12V but the audio amplifier requires 9-12V so if you want the speakers to work, 9V is best. Check the technical tabs for current draw at various voltages.

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TECHNICAL DETAILS

Please note that there might be a 'rattle' when shaking this display, due a small piece of non-conductive plastic that gets pushed into the enclosure during assembly

- Power with 9-12VDC
- 700mA power draw at 12V
- 16:10 display ratio
- Resolution: 1280 x 800
- Visible area: 150mm x 95mm 16:10
- Brightness: 400cd/m2
- Contrast: 800:1
- We opened up one of the displays and found an HSD070PWW1 inside, we expect that all of TVs have this display or something similar
- Not HDCP compatible - it cannot be used with 'secured' HDMI sources

- Max Dimensions of Display Casing: 175mm x 127mm x 32mm (7" x 5" x 1.25")
- Display Weight: 305g
- Stand Weight: 66g

For more information on this HDMI display, including a suggested config.txt, check out our HDMI Display ÜBERGUIDE!

LEARN

The Adafruit HDMI Display Monitor ÜBERGUIDE
Learn about our wide variety of HDMI/VGA/Composite Displays!

Raspberry Pi Video Looper
Turn a Raspberry Pi into a dedicated 1080p video playback tool for art installations, digital signs, or just playing cat videos!

Processing on the Raspberry Pi & PiTFT
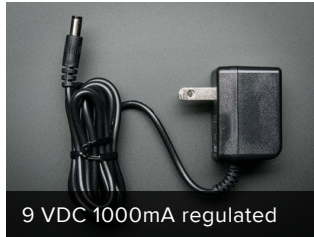How to run a Processing sketch on the Pi & PiTFT display.

MAY WE ALSO SUGGEST...

12V DC 1000mA (1A)	HDMI Cable - 1 meter	9 VDC 1000mA regulated
HDMI 4 Pi - 10.1" Display	HDMI 4 Pi - 7" Display	Pimoroni Raspberry Pi 7"
SmartiPi Touch Back Cover -	HDMI 7" 800x480 Display	HDMI 4 Pi: 7" Display no
TFP401 HDMI/DVI Decoder	Computer Add-On Pack for	SmartiPi Touch Back Cover -
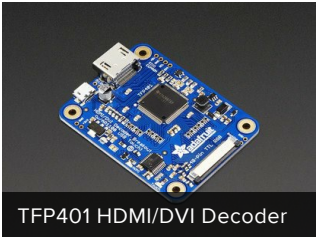
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