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The Humane Reader: A \$20 'computer'



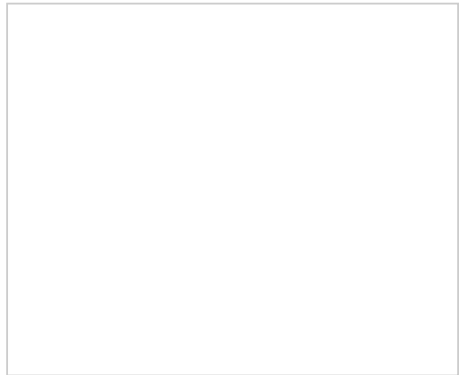
The [Humane Reader](#) is a low-cost device which can bring a five thousand book library into a home or school which has no other access to internet content. The Reader can be produced in quantity for approximately \$20 per unit, and uses any existing television set as a display device for Wikipedia or other content. It is available to NGOs, educators, non-profits or other aid agencies.

Features:

- Atmega328p Microcontrollers - one for video, one for USB, and one for general computing.
- NTSC/PAL composite video output for display on any TV
- B&W 38x25 character text or simple graphics display
- VT52 + H19 video terminal emulation
- Accepts PS/2 Keyboard
- Micro-SD Card Reader
- PWM Audio output
- Completely Open Source design
- Infrared LED and reciever
- Micro-USB powered
- Fully programmable USB controller (atmega328p) allows use as a variety of USB slave devices
- Main MCU is serial programmable via USB
- Expansion headers compatible with most Arduino expansion shields
- 4 input buttons
- Optional aluminum case with powder coat finish
- Programmable using C/C++ libraries, or via Arudino IDE
- Uses Tallmate Project code for vt52 video output

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











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