

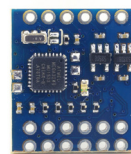
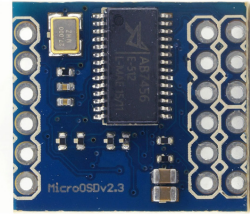
## MicroOSD v2.3 - AB7456 Version


The MicroOSD by AirBot is an improved MinimOSD in a smaller package, but with full FTDI and video pin headers.

Using the lessons learned from building the FLIP32 AIO, AirBot has created a MinimOSD that is resilient against voltage spikes so you don't have to worry about your OSD going black anymore. Not only that but it consumes less power than a traditional MinimOSD and has twice as much character memory.

This is all possible thanks to a hardware design that includes two low drop out voltage regulators and instead of a MAX7456 OSD chip an improved version called "AB7456". The AB7456 chip uses less power, is tolerant of wider voltage swings and twice as much nvrAm than the commonly used MAX7456 chip.

The MicroOSD The MWOSD firmware or the updated Scarab-OSD firmware can both be used with this hardware.



|     |   |         |           |
|-----|---|---------|-----------|
| DTR |  | GND     | Video IN  |
| TX  |   | VBAT2   | Power     |
| RX  |   | GND     | GND       |
| +5V |   | VBAT1   | GND       |
| GND |   | CURRENT | Power     |
| GND |   | RSSI    | Video OUT |