



news

NVIDIA's Jetson TX1 new compute platform for UAVs and drones

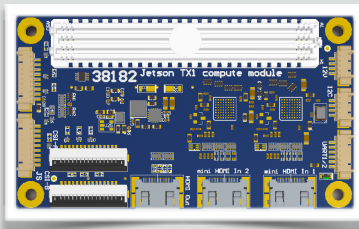
The Jetson TX1 is NVIDIA's latest SoC. It features many new features including a 256 core CUDA graphics engine.

- video and image processing in flight
- quad core ARM processor
- up to six CSI-2 cameras
- additional cameras via USB3
- PCIe bus (4 lanes) for expansion
- extensive power management
- [discussion on diydrones.com](#)

Auvidea's carrier boards for the Jetson TX1

Auvidea is committed to design and manufacture of line of carrier boards for the new SoC.

- the first product will be the J100 (38188) with four CSI-2 connectors for four cameras (two 2 lanes and two 4 lane)
- next will be the J110 (38182). It will have two CSI-2 connectors and two HDMI to CSI-2 bridges (up to 1080p60)
- also there will be an adapter board for the 120 pin camera connector of the Jetson TX1 eval board. It will allow to plug in up to three B100 modules for three HDMI inputs. Please send us an email to inquire details.



J110 carrier board for the TX1

Custom carrier board for the Jetson TX1

Auvidea offers design services to design a custom carrier board for the TX1 for you and also a fast prototyping service with its in-house SMT manufacturing equipment.

Please contact us, so we can discuss your project further and send you a quotation.

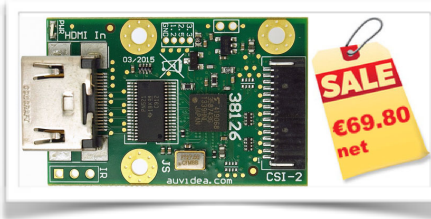
Merry Christmas and a happy New Year



B101 HDMI to CSI-2 bridge for Raspberry Pi

Finally it is working with the Raspberry Pi.

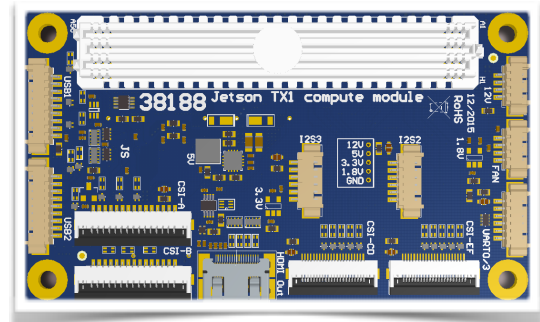
- Resolution captured: 1080p30 (the same as the Pi camera)
- connects to RPi camera connector with 15 pin FFC cable (50mm included)
- raspivid interface
- special price of €69.80 net including world wide free shipping (until the end of this year)



Carrier board for the NVIDIA Jetson TX1 quad core ARM + H.265 encoder + CUDA graphics

The J100 (38188) is a compact carrier board which is plugged onto the new Jetson TX1 compute module. It has the same form factor as the TX1 module and it brings out the following interfaces:

- four CSI-2 interfaces:
two with 4 lanes and two with 2 lanes
- two B101 and two B102 modules may be connected
- two USB2 ports (9 pin PicoBlade connectors)
- two UARTs
- interface to modular motherboard with Gigabit Ethernet, two CAN, UART
- two expansion connectors for SATA, M.2, and PCIe
- 12 V power plus fan
- €199 net (first samples Jan 2016)



J100 carrier board for the TX1

