



Connect Tech Inc.
Embedded Computing Experts

Jetson TX2/TX1
EMBEDDED SYSTEM

Product Name: Cogswell Vision System
Part Number: CVS001

Cogswell Vision System



Connect Tech社のCogdwell はNVIDIA Jetson TX1 (またはTX2)を搭載しているビジョンシステム用に設計されたファンレスユニットになります。

5GBのEthernetカメラを最大4台まで接続でき、且つPOE (Power over Ethernet) のカメラにも対応しておりますので、各カメラ用電源が不要になります。



Specifications	
Compatibility	NVIDIA Jetson TX2 NVIDIA Jetson TX1
GPU	Jetson TX2: NVIDIA Pascal™, 256 CUDA cores (Up to 1.3 GHz) Jetson TX1: NVIDIA Maxwell™, 256 CUDA cores (998 MHz)
CPU	Jetson TX2: HMP Dual Denver 2/2MB L2 + Quad ARM® A57/2MB L2 (Up to 2 GHz) Jetson TX1: 64-bit ARM® A57 CPUs
Mechanical Details	Black Anodized Aluminum Enclosure Integrated Finned Passive Heatsink, Fanless Solution
Networking	5x Gigabit Ethernet Ports • 4 x IEEE 802.3af (POE) 15.4W PSE Gigabit Ethernet Ports OR • 2 x IEEE 802.3at (POE+) 25.5W PSE Gigabit Ethernet Ports
Display Output	1 x HDMI 1.4a (Type-A vert RA)
USB	1 x USB 3.0 Port (Type-A); 1 x USB OTG (Micro-AB); 1 x USB 2.0 (Type-A); 1 x USB 2.0 to miniPCIe Slot
Storage	1 x mSATA Full Sized Slot 1 x microSD Card Slot
UART	2 x RS-232
I2C	I2C Channel 1 @ 3.3VIO
CAN	1 x CAN 2.0b Port
GPIO	4 bits of 3.3V (level shifted GPIO)
Antenna	2x SMA Antennas
User Expansion	1 x miniPCIe Slot with PCIe & USB
LEDs	GbE LEDs, RESET#_OUT, PSU PGOOD
Input Power	+12 DC Input Only No external 48V is required, carrier creates its own PoE power
Dimensions	215mm x 154mm x 72.2mm
Buttons	Power, Reset, Recovery
Operating Temperature¹	-20°C to +80°C (-4°F to +176°F)¹

FEATURES

- ✓ Specifically designed for use with GigE Vision Cameras
- ✓ 5 x Gigabit Ethernet Channels
4 x PoE, 2 x PoE+ PSE Gigabit Ports
- ✓ Only a single +12V input required;
No external 48V PoE power required
- ✓ 1 x USB 3.0, 1x USB 2.0, 1x USB OTG,
2x RS-232, 1x miniPCIe, 1x mSATA
- ✓ Extended Temperature Range
-20°C to +80°C
- ✓ Mounting option
(Surface Edge Mount)



極東貿易株式会社

Connect Tech Inc.販売代理店
〒100-0004
千代田区大手町2-2-1 新大手町ビル7階
極東貿易株式会社特機システム部 太田
Tel:03-3244-3723 Fax:03-3246-2765
Email:m.ohata@kbk.co.jp
<http://www.kbk.co.jp>



Connect Tech Inc.
Embedded Computing Experts

Connect Tech Inc.
42 Arrow Road, Guelph ON Canada
Tel: 519.836.1291 Fax: 519.836.4878
Toll: 800.426.8979 (North America)
Email: sales@connecttech.com
www.connecttech.com

RoHS

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