

Cogswell is a state-of-the-art Vision System specifically designed for use with GigE Vision Cameras.

Ideal for Machine Vision applications by allowing up to 5 Gigabit Ethernet cameras to be connected - 4 of which can be powered by on board Power over Ethernet.



Cogswell Vision System comes in a black anodized metal enclosure, is both fanless and cable free, and has a surface edge mounting option.

FEATURES

- ✓ 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

SPECIFICATIONS

Module Compatibility	NVIDIA Jetson TX2, NVIDIA Jetson TX2i	Mechanical Details	Black Anodized Aluminum Enclosure Integrated Finned Passive Heatsink, Fanless Solution
GPU	NVIDIA Pascal™, 256 CUDA cores (Up to 1.3 GHz)	CPU	HMP Dual Denver 2/2MB L2 + Quad ARM® A57/2MB L2 (Up to 2 GHz)
Networking	5x Gigabit Ethernet Ports <ul style="list-style-type: none"> • 4x IEEE 802.3af (POE) 15.4W PSE Gigabit Ethernet Ports OR • 2x IEEE 802.3at (POE+) 25.5W PSE Gigabit Ethernet Ports 	USB	1x USB 3.0 Port (Type-A); 1 x USB OTG (Micro-AB); 1x USB 2.0 (Type-A); 1 x USB 2.0 to miniPCIe Slot
Display Output	1x HDMI 1.4a (Type-A vert RA) (Supports up to HDMI 2.0 UHD 4K [2160p] at 60Hz)	Storage	1x mSATA Full Sized Slot 1x microSD Card Slot
UART	2 x RS-232	I2C	I2C Channel 1 @ 3.3V IO
CAN	1x CAN 2.0b Port	GPIO	4 bits of 3.3V (level shifted GPIO)
Antenna	2x SMA Antennas	User Expansion	1x 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		

[1] The Jetson TX2 Modules are rated for -25°C to +80°C (measured at thermal heat plate)