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
- 1 x USB 3.0, 1 x USB 2.0, 1 x USB OTG,
- 2x RS-232, 1x miniPCIe, 1x mSATA
- Only a single +12V input required; No external 48V PoE power required
- Extended Temperature Range: -20°C to +80°C

**SPECIFICATIONS**

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| NVIDIA Jetson TX2, NVIDIA Jetson TX2i, NVIDIA Jetson TX1 | Jetson TX2/TX2i: NVIDIA Pascal™, 256 CUDA cores (Up to 1.3 GHz) Jetson TX1: NVIDIA Maxwell™, 256 CUDA cores (998 MHz) | 5x Gigabit Ethernet Ports
  - 4x IEEE 802.3af (POE) 15.4W PSE Gigabit Ethernet Ports OR
  - 2x IEEE 802.3at (POE+) 25.5W PSE Gigabit Ethernet Ports | 1x HDMI 1.4a (Type-A vert RA) (Supports up to HDMI 2.0 UHD 4K [2160p] at 60Hz) | 2 x RS-232 | 1x CAN 2.0b Port | 2x SMA Antennas | GbE LEDs, RESET#, OUT, PSU PGOOD | 215mm x 154mm x 72.2mm | -20°C to +80°C (-4°F to +176°F)¹ |

**Mechanical Details**

- Black Anodized Aluminum Enclosure
- Integrated Finned Passive Heatsink, Fanless Solution

**CPU**

- Jetson TX2/TX2i: HMP Dual Denver 2/2MB L2 + Quad ARM® A57/2MB L2 (Up to 2 GHz) Jetson TX1: 64-bit ARM® A57 CPUs

**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

**Storage**

- 1x mSATA Full Sized Slot
- 1x microSD Card Slot

**I2C**

- I2C Channel 1 @ 3.3V IO

**GPIO**

- 4 bits of 3.3V (level shifted GPIO)

**User Expansion**

- 1x miniPCIe Slot with PCIe & USB

**Input Power**

- +12 DC Input Only
- No external 48V is required, carrier creates its own PoE power

**Buttons**

- Power, Reset, Recovery

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¹ The Jetson TX1/TX2 Modules are rated for -25°C to +80°C (measured at thermal heat plate)