

Specifications

Part	VPG003	
Form Factor	3U OpenVPX (Vita 64, VITA 48, VITA 65-compliant)	
Processor	CPU Model	NVIDIA® Jetson™ TX2/TX1
	CPU Cores	Quad 64bit ARM A57
	GPU	NVIDIA® Pascal™/Maxwell™
	CUDA Cores	256
Operating System	64bit Linux Ubuntu v14.04 LTS	
Memory	Technology	LPDDR4
	Capacities	TX2: 8GB OR TX1: 4GB
Operating Temperature	-40°C to +70°C (-40°F to +158°F)	
Power Requirements	12V (VS1), 3.3V (VS2), and 5V (VS3)	
Network	Two 10/100/1000 BASE-T ports	
USB	Up to two USB 3.0 (SuperSpeed) ports Up to three USB 2.0 (Hi-Speed) ports	
SATA	One SATA 2.0 Port	
Video	One HDMI 1.4 interface	
Video Encode/Decode	4K @ 60Hz	
Camera	Six MIPI CSI 2.0 Camera interfaces	
Serial	One RS-232 Port (debug)	
Onboard Storage	16 GB eMMC	
Maximum Power	15W + Mezzanine Power	
Back Plane PCIe	Two x4 PCIe Gen3.0 Capable Backplane Ports	
LEDs	Power up status and PCIe Link speeds	
Thermal Interface	Conduction cooled	
RTM	RTG004	