



SMART CITY AI-VISION GPU Server Computer Vision AI System

Hardware - Designed and Manufactured
by Currux Vision in Houston, TX



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Computer Vision AI System

Buy America, Build America - Compliant.





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- Currux Vision provides a plug and play, NEMA TS2 compliant GPU server that has our software preinstalled. Server requires only power and network connection to operate.
- Server can be installed in the traffic cabinet, TMC or office
- Server receives video via RTSP or HTTP from IP cameras, or via BNC connectors for analog cameras.
- Each server can support up to 4 video cameras for real time video processing.
- Each server is limited to 8 unique camera licenses. Additional camera licenses are available to purchase on the same server.
- A server rack mounting bracket is provided.
- Server can be equipped with optional SDLC connector module, built in 4 channel analog camera encoder with BNC connectors, and built in 5 channel IO relay (up to 16A)
- 1-year limited warranty is included with 3-year extended warranty available to purchase.





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Technical Specifications

AI-Vision GPU Server	
GPU	NVIDIA 512-Core Volta GPU with Tensor Cores
CPU	8-Core ARM v8.2 64-Bit CPU, 8 MB L2 + 4 MB L3
Memory	32 GB 256-Bit LPDDR4x Memory / 137 GB/s
Storage	32 GB eMMC 5.1; Optional Storage of Up To 500 GB
Interface	
Ethernet	2 Ethernet (1Gb/100 Base-T) RJ-45 Connector
HDMI	1920x1080 to Video monitor for setup
Optional SDLC, BNC and 10 Relay	SDLC DB15 connector, 4 BNC Analog Camera Inputs; 5 10 Relay (NO/NC)
Specifications	
Temperature	-34° Celsius to +74° Celsius
Power	12VDC -10W/15W
Dimensions	4.1"(W)x-4.1"(L)x2.5" (H)
Approvals	
	This device complies with part 15 of the FCC Rules
	UL listed Product Logo for Jetson AGX Xavier Developer Kit, model name P2972
	UL Recognized Component Logo for Embedded System Module, model number P2888 for Jetson AGX Xavier
Industry Canada (IC) CAN ICES-3(B)/NB<-2(B)	This device complies with Industry Canada license exempt RSS standard(s)
	This device bears the CE mark accordance with following directives: - Electromagnetic Compatibility Directive 2014/30/EU - Low Voltage Directive 2014/35/EU - RoHS Directive 2011/65/EU
Network	
Ethernet	2- RJ-45 (10/100Base-T)
Protocols	IPv4, HTTP, RTSP/RTP/RTCP, TCP/JDP, 80281x
Interoperability	ONVIF, CGI
Streaming Method	Unicast
Max. User Access	10 Users
Edge Storage	Local PC for setup Mirco SD cards
Web Viewer	«Edge, Chrome, Mozilla
Web Language	English

