

# Auvideo AI Systems for multiple cameras



## AI systems based on Jetson Orin

Auvideo introduces a family of embedded systems with multiple coax camera interfaces (FPD-Link III or V3Link) for AI applications ranging from entry level systems (starting at €500 net with Orin Nano™) to high end systems (starting at €2,500 net with AGX Orin™).

### Entry level AI system

The L10 is a very compact, low power and low cost system based on the NVIDIA Jetson Orin Nano (up to 40 TOPS). It supports basic AI processing for people counting or face pixelation with 1 or 2 cameras.

Auvideo L10	
Compute Module	NVIDIA Jetson Orin Nano (4 or 8GB)
Camera	2x Fakra FPD-Link III (V3Link)
M.2 Key M	1x NVME SSD PCIe x4
GPIOs	1x input and 1x output, CAN
GBE	1x Gigabit RJ45
Size	129.6mm x 67.1mm x 37.6mm
Power	up to 15W



### Mid range AI system

The L20 features the NVIDIA® Jetson Orin NX (up to 100 TOPS). It supports advanced AI processing for vehicle recognition and license plate detection.

Auvideo L20	
Compute Module	NVIDIA Jetson Orin NX (8 or 16GB)
Camera	4x Fakra FPD-Link III (V3Link)
M.2 Key M	1x NVME SSD PCIe x4
GPIOs	multiple inputs and outputs, CAN
GBE / USB	1x Gigabit RJ45, 3x USB 3.1
Size	125mm x 98mm x 39mm
Power	up to 25W

### High end AI system

The L30 features the NVIDIA Jetson AGX Orin with extreme performance (up to 275 TOPS). It supports sophisticated AI processing algorithms with very large AI models with billions of parameters. The AGX Orin can perform model training on the edge.

Auvideo L30	
Compute Module	NVIDIA Jetson AGX Orin (32 or 64GB)
Camera	8x Fakra FPD-Link III (V3Link)
M.2 Key M	1x NVME SSD PCIe x4
GPIOs	multiple inputs and outputs, CAN
GBE / USB	2x Gigabit RJ45, 2x USB 3.1
Size	172mm x 160mm x 62mm
Power	up to 60W



#### Lead time

The systems above are all based on the new NVIDIA Orin compute modules. The AGX Orin 32GB is already available but the other Orin family members will become available towards the end of 2022. So the systems above have a certain lead time. For immediate demand Auvideo can provide build-to-order systems with a short lead time. These are based on the Nano, TX2 NX, Xavier NX™ or AGX Orin. Systems with the AGX Xavier are available on special request.



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