

AGX Orin Fusion Kit

- Multimodal LLM/SLM deployment
- Application-ready for fast prototyping & deployment
- For Smart Traffic, Smart Security and Smart City Applications



Overview

The AVerMedia AI Fusion Kit – Conversational AI Edition is a high-fidelity video and audio input kit that streams directly into AI models, tailored for LLM and Conversational AI developers. It delivers precision, reliability, and seamless integration for multimodal AI applications. Whether you're building conversational agents or rapidly prototyping, this all-in-one solution ensures AI models receive inputs accurately, efficiently, and consistently. Optimized for speech AI and vision inputs, it empowers developers to build more natural, interactive, and responsive AI systems. The kit also supports NVIDIA Jetson AI Lab tutorials, enabling users to leverage official resources for faster deployment.

Enterprise-Leading Features

- Ready-to-Run AI Performance
NVIDIA Jetson pre-activated for powerful LLM/VLM inference at the edge.
- Precision Multimodal Input
High-fidelity video and audio capture to power multimodal AI.
- Developer - Friendly Integration
Combine AVerMedia's three devices for seamless compatibility and complete technical supports.

The AVerMedia Advantage



Video Processing Technology



Flexibility & Reliability



Dedicated After-Sales Support

AVerMedia understands that each business has a unique set of requirements that requires professional expertise and support. With AVerMedia, you are guaranteed to work with a proven global leader in video processing technology (200+ video capturing & streaming patents) with decades of experience processing multiple video signals for countless award-winning products.

A global leader that supports businesses of all sizes with comprehensive customization services (i.e., HW/PCB/BSP/etc.), flexible MoQ while ensuring a high-quality design and stable product. And for projects requiring additional security, we can provide customizable encryption hardware to support your privacy needs.

By partnering with us, a dedicated NVIDIA® ELITE Partner, our support-driven team offers prompt after-sales support so that your company stays focused on what matters most, customer acquisition.

Specifications: D315AOB-2 Box PC with Super Mode

Model	D315AOB-2-32G
Type	Box PC
NVIDIA GPU SoC Module Compatibility	NVIDIA® Jetson AGX Orin 32G module
Networking	• 1x GbE RJ-45 • 1x 10G RJ-45
Display Output	1x HDMI output
Temperature	• Operating temperature -25°C~65°C • Storage temperature -40°C ~ 85°C • Relative humidity 40 °C @ 95%, Non-Condensing
MIPI Camera Inputs (Internal)	GMSL2/FPD-link III/V-by-One® HS (STURDeCAM20 optional)
USB	• 1x USB 2.0 Micro-B for recovery • 2x USB 2.0 Type-A • 2x USB 3.2 Type-A
Storage	• 1x micro-SD card slot • 256G SSD Preinstalled
Expansion Header	• 40-pin (UART, SPI, CAN, I2C, I2S, GPIOs) • 1x M.2 B key 3042(4G) LTE module or 3052(5G) module • 1x M.2 E key (for Wi-Fi 6E) • 1x M.2 M key (for SSD) • 1x Micro SIM socket • 1x PCIe x16 (only support x8 PCIe lanes) • 1x CAN bus with transceiver • 120-pin (for MIPI SerDes)
Power requirement	Voltage: DC 12V~54V
	Current: DC in JACK on board: 7A Max ATX 4pin: 10.8A Max
Fan Module	Heat sink with fan
Buttons	Power and Recovery
RTC Battery	Support RTC battery and Battery Life Monitoring by MCU
PCB/Electronics Mechanical Info	181.5mm (W) x 137mm (L) x 88mm (H) (with mounting hole) Weight: 1.5kg
Certifications	CE, FCC, KC
Package	• 1x BOX PC • 54V power adapter/Power cord



*All specifications are subject to change without prior notice.

Specifications: High-Resolution Camera

Model	USB 3.0 4K UHD Webcam
Image Sensor	Sony 4K CMOS sensor
Image Resolution	8 Megapixels
Max Frame Rate	3840 × 2160 @ 30 fps1920 × 1080 @ 60 fps
Lens F#	2.8
Focus Method (Lens Type)	Fixed focus
Field of View	Diagonal 94°
Video Mode	MJPEG and UYVY
Working Distance	50 ~ 200 cm (1.64 ~ 6.56 ft.)
Minimum Working Distance	10 cm (3.94 in.)
Minimum Illumination	1.4 lx
Microphone Type	Stereo built-in microphones
UVC Support	Yes
Dimensions (W × D × H)/Weight	130 × 52.6 × 29 mm (5.12 × 2.07 × 1.14 in.)(Without Base) 440g
Note	Live Streamer CAM does not support USB 2.0
Package	• Live Streamer CAM 513 (PW513) • USB 3.0 Type-C to Type-A Cable • Quick Guide

Specifications: High SNR Speakerphone

Model	AI Speakerphone
Connection Type	USB-A to USB-C cable
Power Supply	5 V / 0.5 A
Speaker	3 W (max.)
Speaker Frequency Response	150 Hz – 14 kHz
Microphone Sensitivity	-29 dB V/Pa @ 1 kHz
Microphone Frequency Response	150 Hz – 7 kHz
Microphone S/N Ratio	> 59 dB
Effective Range	3 m (unobstructed)
Dimension(W x D x H)/Weight	12 x 8 x 4 cm (4.7 x 3.1 x 1.6 in.) 195 g
Package	• Speakerphone • USB-A to USB-C cable x1 (Cable length 2 m/6.56 ft.) • Quick Guide



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