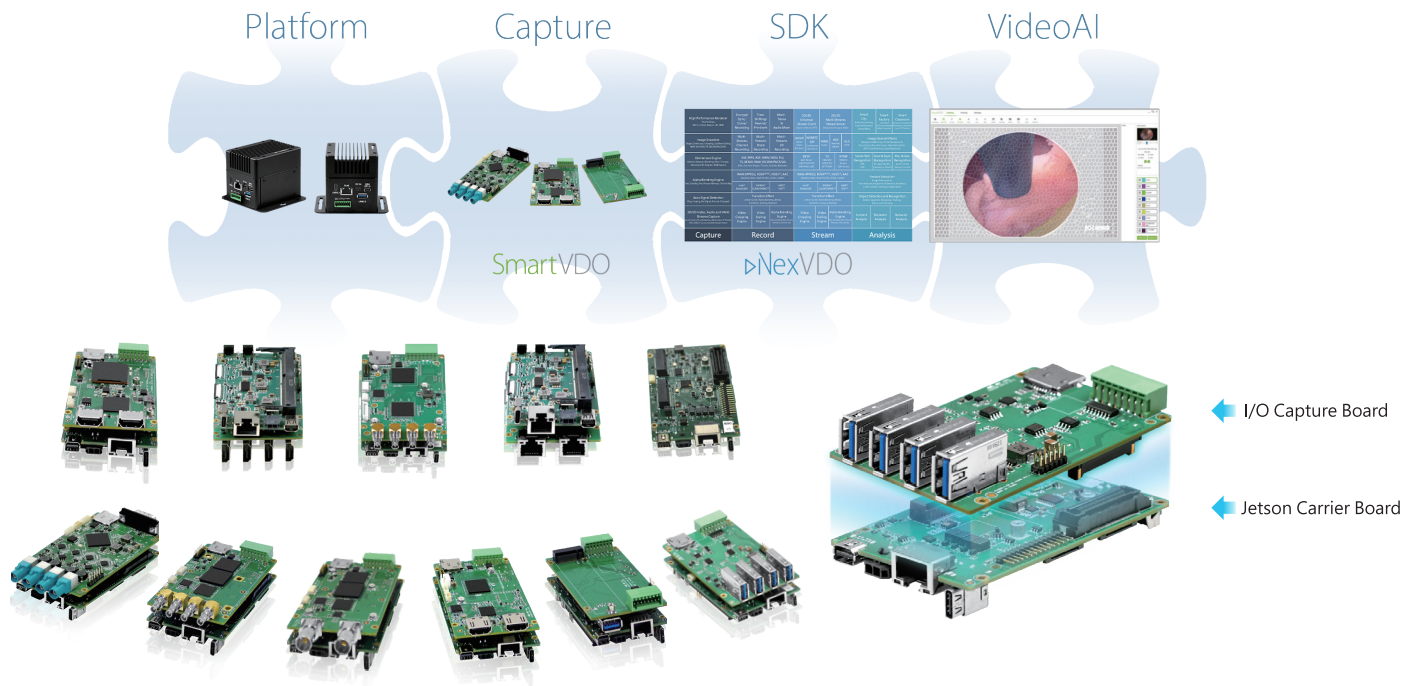


SmartVDO Air

Slim, Powerful, Visually Brilliant !



YUAN's SmartVDO Air is an extremely small but powerful intelligent AV computing platform with excellent AI reasoning capabilities. It is particularly suitable for edge AI applications in various industries such as media broadcasting, industrial, traffic monitoring, fault detection, AGV/AMR, visual computing, medical imaging, etc. The SmartVDO Air series is equipped with NVIDIA's latest NVIDIA® Jetson Orin™ NX Super or NVIDIA® Jetson Orin™ Nano Super series core modules, delivering up to 157 TOPS of processing power. It also supports a wide range of the latest video delivery and image compression formats. The platform adopts a dual board design that is compatible with and supports different video inputs. In addition, YUAN provides a variety of software solutions and board support packages (BSP) to enable customers to build on existing foundations for smooth self-development and enhanced product benefits.

— We Can —



Capture Card

HDMI / SDI / GMSL / VGA / TVI



Camera

USB / GigE / MIPI



Multi-Link

4G / 5G / WiFi / PoE / Gyro



SDK Service

NexVDO SDK



BSP Service



OEM / ODM



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VPP6N0 Air Series													
Model Name	AIR6N0-C-MB NX 12G-SDI	AIR6N0-C-MB NX 12G-SDI QL	AIR6N0-C-MB NX HDMI2.1	AIR6N0-C-MB NX HDMI2.0	AIR6N0-C-MB NX 4xGMSL2 (PCI-e)	AIR6N0-C-MB NX 4xGMSL2 (MIPI)	AIR6N0-C-MB NX 4xTVI	AIR6N0-C-MB NX 4xHDMI	AIR6N0-C-MB NX 4xUSB3.2	AIR6N0-C-MB NX 2xGIGE	AIR6N0-C-MB NX SDVoE-C	AIR6N0-C-MB NX I/O	AIR6N0-C-MB NX OOB MK.2
NVIDIA® Platform	Jetson Orin™ NX Super 16GB / 8GB	Jetson Orin™ NX Super 16GB / 8GB	Jetson Orin™ NX Super 16GB / 8GB	Jetson Orin™ NX Super 16GB / 8GB	Jetson Orin™ NX Super 16GB / 8GB	Jetson Orin™ NX Super 16GB / 8GB	Jetson Orin™ NX Super 16GB / 8GB	Jetson Orin™ NX Super 16GB / 8GB	Jetson Orin™ NX Super 16GB / 8GB	Jetson Orin™ NX Super 16GB / 8GB	Jetson Orin™ NX Super 16GB / 8GB	Jetson Orin™ NX Super 16GB / 8GB	Jetson Orin™ NX Super 16GB / 8GB
AI Performance	157 / 117 TOPS	157 / 117 TOPS	157 / 117 TOPS	157 / 117 TOPS	157 / 117 TOPS	157 / 117 TOPS	157 / 117 TOPS	157 / 117 TOPS	157 / 117 TOPS	157 / 117 TOPS	157 / 117 TOPS	157 / 117 TOPS	157 / 117 TOPS
Display	1xMini DisplayPort	1xMini DisplayPort	1xMini DisplayPort	1xMini DisplayPort	1xMini DisplayPort	1xMini DisplayPort	1xMini DisplayPort	1xMini DisplayPort	1xMini DisplayPort	1xMini DisplayPort	1xMini DisplayPort	1xMini DisplayPort	1xMini DisplayPort
Video Encode (H.265)	1x4K60	1x4K60 / 4xHD60	1x4K60	1x4K60	4xHD60	4xHD60	4xHD60	4xHD60	4xHD60	2x4K30	1x4K60	1x4K60	1x4K60
Video Decode (H.265)	1x8K30	1x8K30	1x8K30	1x8K30	1x8K30	1x8K30	1x8K30	1x8K30	1x8K30	1x8K30	1x8K30	1x8K30	1x8K30
Capture Interface	1x12G-SDI	12/6/3/3G-SDI	1xHDMI2.1	1xHDMI2.0	4xGMSL2	4xGMSL2	4xTVI	4xHDMI	4xUSB3.2 Gen1	2xGIGE	N/A	N/A	N/A
Expansion Slot	M2 1xM2 2230 M Key 1xM2 2230 E Key	M2 1xM2 2230 M Key 1xM2 2230 E Key	M2 1xM2 2230 M Key 1xM2 2230 E Key	M2 1xM2 2230 M Key 1xM2 2230 E Key	M2 1xM2 2230 M Key 1xM2 2230 E Key	M2 1xM2 2230 M Key 1xM2 2230 E Key	M2 1xM2 2230 M Key 1xM2 2230 E Key	M2 1xM2 2230 M Key 1xM2 2230 E Key	M2 1xM2 2230 M Key 1xM2 2230 E Key	M2 1xM2 2230 M Key 1xM2 2230 E Key	M2 1xM2 2230 M Key 1xM2 2230 E Key	M2 1xM2 2230 M Key 1xM2 2230 E Key PCIe Gen4x4 Slot	M2 1xM2 2230 M Key 1xM2 2230 E Key

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