

# AIR6N0-C NX SDVoE-C

YUAN

## Zero-Latency SDVoE with Built-in Edge AI

### Features

- Powered by NVIDIA® Jetson Orin™ NX Super up to 157 / 117 TOPS
- Business Card Size AI edge platform
- Support SDVoE over 10G Copper
- 1×USB3.2 Gen2 (Type-C)
- 1×Mini DisplayPort

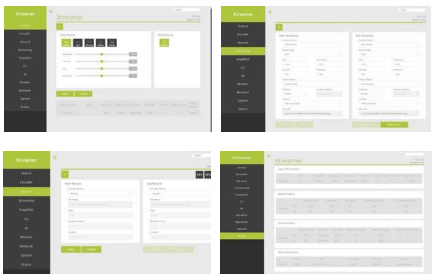


### Specifications

SOM	NVIDIA Jetson Orin™ NX 16GB Super	NVIDIA Jetson Orin™ NX 8GB Super
CPU	8-Core Arm® Cortex®-A78AE v8.2 64-Bit CPU 2MB L2 + 4MB L3	6-Core Arm® Cortex®-A78AE v8.2 64-Bit CPU 1.5MB L2 + 4MB L3
GPU	1024-Core NVIDIA Ampere Architecture GPU with 32 Tensor Cores	
AI Performance	157 TOPS	117 TOPS
System Memory	16GB 128-bit LPDDR5 102.4GB/s	8GB 128-bit LPDDR5 102.4GB/s
<b>Interface</b>		
Input	1 × RJ45 connector for 10Gbps Ethernet (Supports SDVoE and DHCP client)	
Storage	Supports External NVMe	
Display Interface	1×Mini DP1.4	
Ethernet	1×RJ45 for 10/100/1000Mbps Ethernet ( DHCP Client )	
Expansion Slot	1×M.2 2230 M Key PCIe Gen4×2 Slot 1×M.2 2230 E Key PCIe Gen4×1 Slot	
USB	1×USB3.2 Gen2 ( Type-C )	
MIPI	8 MIPI CSI-2 Lanes ( D-PHY 2.1, Support MIPI Camera, Capture Card )	
Misc. Features	Firmware Upgradable	
<b>Development Environment</b>		
JetPack	6.2 or Higher	
<b>Environment</b>		
Power Supply	DC input : 12~36V	
Power Consumption	TBA	
Operating Temperature	0~60 °C with Airflow	
Storage Temperature	-20~80 °C	
Certification	CE, FCC	

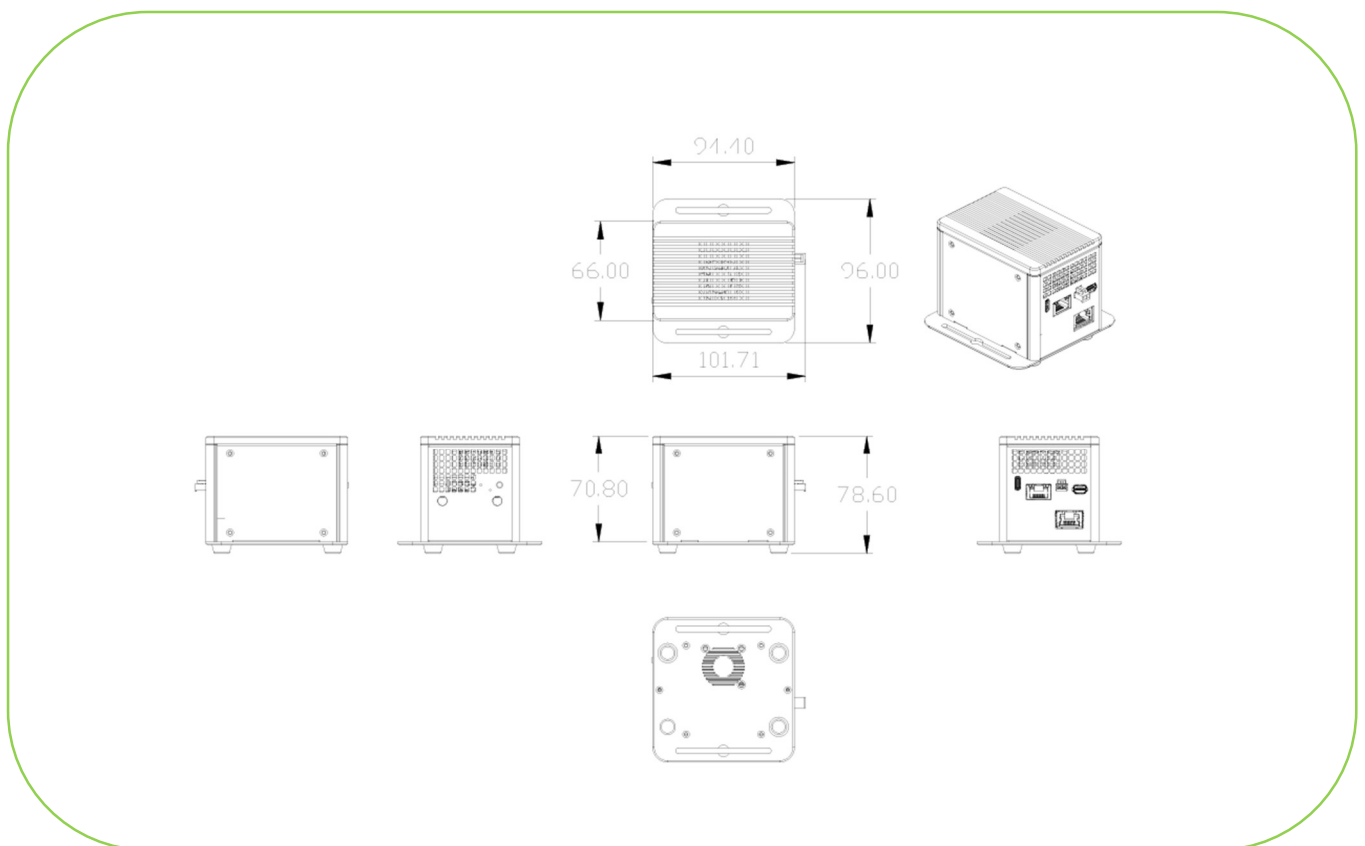
### SDK / Software

Video Encode	AV1 ( UHP ) 1×4K60   3×4K30   6×1080p60   12×1080p30
	H.265 ( UHP ) 1×4K60   3×4K30   6×1080p60   12×1080p30
	H.264 ( UHP ) 1×4K60   2×4K30   5×1080p60   11×1080p30
Video Decode	AV1 ( Main Profile ) 1×8K30   2×4K60   4×4K30   10×1080p60   20×1080p30
	H.265 ( Main, Main10 ) 1×8K30   2×4K60   4×4K30   9×1080p60   18×1080p30
	H.264 ( Baseline, Main, High ) 1×4K60   2×4K30   5×1080p60   11×1080p30
	VP9 ( Profile 0, Profile 2 ) 1×4K60   3×4K30   7×1080p60   15×1080p30
<b>SDK</b>	
QCAP	Capture High Performance Renderer Image Snapshot De-interlace, Alpha Blending Engine Auto Signal Detection 2D/3D Video, Audio and VANC Streams Capture
	Record

	Encrypt / Sync / Clone / Recording Time-Shifting / Rewind / Pre-Event / Recording Multi-Streams ( 3D ) Recording Animation Transition Effect Video Cropping, Scaling and Alpha Blending Engine	
	Stream 2D/3D Universal Stream Client 2D/3D Multi-Streams Stream Server RTSP, RTMP, HLS, SRT, TS, WebRTC. NDI-HX (*), Full NDI (*) Animation Transition Effect Video Cropping, Scaling and Alpha Blending Engine *Separate License Required	
QDEEP	AI SDK Integrated Multiple Algorithms and Deep-Learning Models in Various Fields of Applications Face Recognition Objects Detection Objects Segment Optical Character Recognition License Plate Recognition Customizable Video AI Functions Upon Request	
<b>Software (Optional)</b>		
Xtreamer	Web Based User Interface	
	Encode / Decode AV1, H.26X	
	Color Format Adjust 444 / 422 / 420, 10Bit / 8Bit Select	
	Record MP4, TS	
	Stream / Network RTSP, RTMP, HLS, SRT, TS, WebRTC. NDI-HX (*), Full NDI (*) *Separate License Required	

## Mechanical

- Dimension: 94.4mm × 66mm × 70.80mm
- Weight: 226g



## I/O Layout



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