Your Vision
Our Mission

AV over IP Solutions

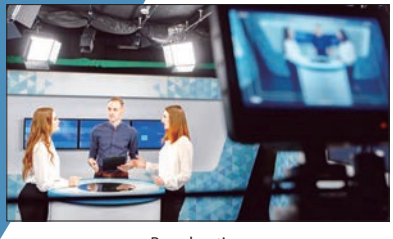


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YUAN
Visualize Intelligent Planet

2026
New
Release

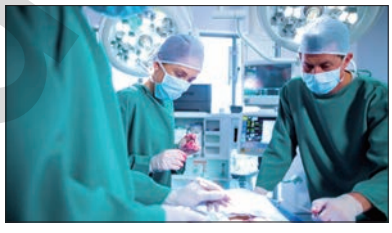
about YUAN



Broadcasting



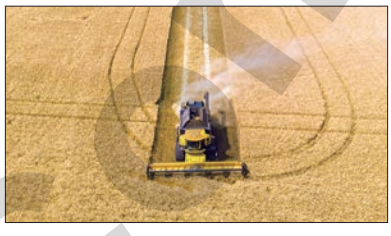
Education & Developer



Healthcare



Industrial and Automation



Primary Industry



Retail



Robot & Drone



Smart City



Transportation

YUAN, with headquarter in Taipei, Taiwan, is the leading force in the digital home entertainment, broadcasting, surveillance and education market, delivering an extensive range of high-quality solutions for system integrators and ODM customers. As one of the major providers to these markets, YUAN's solutions can be found within the product lines of worldwide leading ODM customers and channel partners.

For further information about YUAN , please visit the Company's web site: www.yuan.com.tw

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Product Overview


SDVoE Series


Dante AV Series

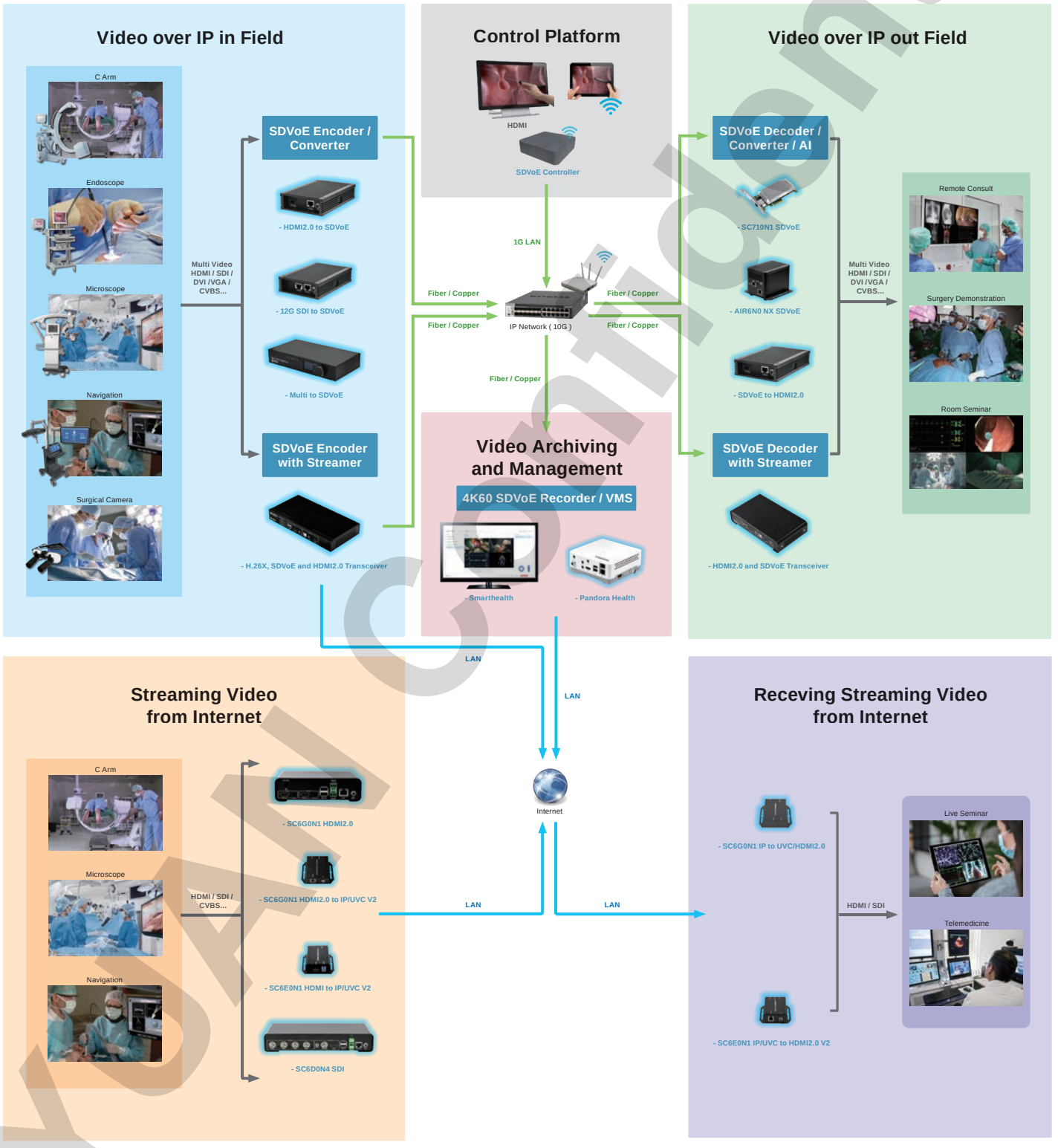

NDI Series


Stream / H.26X Series

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YUAN
Your vision, Our mission

AV over IP
Connection Scenario



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SDVoE Series

10G Uncompressed AV Transport



- Zero-Latency
- 4K60 444 Lossless
- Multi Casting Network Compatible
- Video Up/Down Converter
- Multi Interface Support

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SDVoE™ ALLIANCE

SDVoE Connection Scenario



MultiView Scenario

MultiView Feature
Seamless Switch
Quad View

TV Wall Scenario

Video Wall Feature
Up to 64 Devices
Bezel Correction
Scaling
Cropping

HID Control Scenario

HID Control Feature
Seamless Switch
USB 2.0
RS232

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SDVoE Series

10G Uncompressed AV Transport



Multi Input Interface

In various application scenarios, preferences for input interfaces may vary. YUAN's solution supports a wide range of interfaces, from 4K to SD, covering HDMI, DP, SDI, DVI, VGA, YPbPr, Composite, and S-Video. We are committed to assisting customers in finding the most suitable solution for their specific applications.



Complete Product Lines

YUAN offers a wide range of SDVoE solutions, including Transceiver, Receiver, Transmitter, and Capture Card. The Capture Card, in particular, features multiple PCIe and M.2 interfaces, allowing flexible application of uncompressed 4K60 images in various fields. This transceiver integrates multiple encoding schemes, providing users with the flexibility to choose the most solution for their application needs within the bandwidth range of 100Mbps to 10Gbps.



Fiber / Copper Selectable

YUAN's SDVoE solutions are compatible with both Fiber and Copper, allowing for quick integration into existing systems without the need for extensive adjustments to current connections. The V2 series and Transceiver can even simultaneously support both Copper and Fiber. Whether it's for long-distance, low-radiation Fiber or more flexible



Fanless Design

Derived from years of design experience, YUAN has successfully launched a variety of fanless, low-power SDVoE encoders and decoders that cater to your application and performance requirements in various fields. If you need to deploy a system outdoors, we also offer rugged enclosures that prioritize durability and aesthetics, enhancing the product's lifespan.



2019 SDVoE Best Awarded

SC710N1-L SDVoE is the winner of Members' Choice Awards in 2019, voted by all SDVoE Alliance® members. YUAN released the first SDVoE solution in PCIe format, allowing PC users to embrace SDVoE 4K lossless video transmission. The solution is coming in low profile and without a fan, making it a fitting choice for studios where quiet operation is a necessity.

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SDVoE 4K60 | AI Platform Series

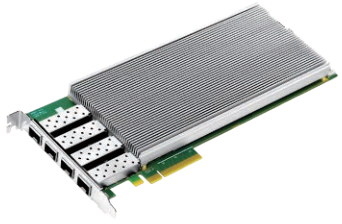
NVIDIA Preferred Partner

Decoder	Fiber	Decoder	Copper
			
AIR6N0-C NX SDVoE-F		AIR6N0-C NX SDVoE-C	

SOM	NVIDIA Jetson Orin™ NX 16GB Super	NVIDIA Jetson Orin™ NX 16GB Super
CPU	8-Core Arm® Cortex®-A78AE v8.2 64-Bit CPU 2MB L2 + 4MB L3	8-Core Arm® Cortex®-A78AE v8.2 64-Bit CPU 2MB L2 + 4MB L3
GPU	1024-Core NVIDIA Ampere Architecture GPU with 32 Tensor Cores	1024-Core NVIDIA Ampere Architecture GPU with 32 Tensor Cores
AI Performance	157 TOPS	157 TOPS
System Memory	16GB 128-bit LPDDR5 102.4GB/s	16GB 128-bit LPDDR5 102.4GB/s
Interface		
Input	1×SFP+ for 10Gbps Ethernet (Support SDVoE and DHCP Client)	1×RJ45 for 10Gbps Ethernet (Support SDVoE and DHCP Client)
Video Capture Resolutions	4096×2160@60/50/30/25/24fps 3840×2160@60/50/30/25/24fps 2560×1440p@144fps 1920×1080p@240/144/120/100fps 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×576p@50fps 720×480i@60fps 720×576i@50fps More resolution supported by SDK	4096×2160@60/50/30/25/24fps 3840×2160@60/50/30/25/24fps 2560×1440p@144fps 1920×1080p@240/144/120/100fps 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×576p@50fps 720×480i@60fps 720×576i@50fps More resolution supported by SDK
Storage	Supports External NVMe	Supports External NVMe
Display Interface	1×Mini DP1.4	1×Mini DP1.4
Ethernet	1×RJ45 for 10/100/1000Mbps Ethernet (DHCP Client)	1×SFP+ for 10/100/1000Mbps Ethernet (DHCP Client)
Expansion Slot	1×M.2 2230 M Key PCIe Gen4×2 Slot (Nano: Gen3×2) 1×M.2 2230 E Key PCIe Gen4×1 Slot (Nano: Gen3×1)	1×M.2 2230 M Key PCIe Gen4×2 Slot (Nano: Gen3×2) 1×M.2 2230 E Key PCIe Gen4×1 Slot (Nano: Gen3×1)
USB	1×USB3.2 Gen2 (Type-C)	1×USB3.2 Gen2 (Type-C)
MIPI	8 MIPI CSI 2 Lanes (D-PHY 2.1, Support MIPI Camera, Capture Card)	8 MIPI CSI 2 Lanes (D-PHY 2.1, Support MIPI Camera, Capture Card)
Misc. Features	Firmware Upgradable	Firmware Upgradable
Development Environment		
JetPack	6.2 or Higher	6.2 or Higher
Environment		
Power Supply	DC input : 1 2 ~36V	DC input : 1 2 ~36V
Power Consumption	TBA	TBA
Operating Temperature	0~60 ℃ with Airflow	0~60 ℃ with Airflow
Storage Temperature	-20~80 ℃	-20~80 ℃
Certification	CE, FCC	CE, FCC

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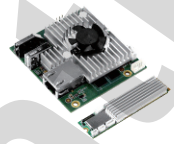
SDVoE 4K60 | Capture Card Series

Decoder / Fiber	Decoder / Copper	Decoder / Fiber
		
SC720N4 SDVoE-F	SC720N4 SDVoE-C	SC710N1-L SDVoE-F

Max. FPS	3840×2160p@60/50fps in ➔ 3840×2160p@60/50fps out	3840×2160p@60/50fps in ➔ 3840×2160p@60/50fps out	4096×2160p@60/50fps in ➔ 4096×2160p@60/50fps out
Recording Mode	Software Compression, Real-Time Mode	Software Compression, Real-Time Mode	Software Compression, Real-Time Mode
Dimension	259×111 (mm) PCIe Full Height	252×111 (mm) PCIe Full Height	145.4×68.9 (mm) PCIe Low Profile
Interface	PCIex8 (Gen2)	PCIex8 (Gen2)	PCIex4 (Gen2)
Video Input	4×SFP+ (10G)	4×RJ45 (10G)	1×SFP+ (10G) (HDR Support, RGB/YUV 420/422/444 8/10bits)
Video Output	N/A	N/A	1×HDMI 2.0 (Loop-Through, HDR Support HDR10/HLG, RGB/YUV 420/422/444 8/10bits, 3D Support HDMI1.4B 3D specification)
Display Video Format	YV12, NV12, YUY2, RGB24, RGB32, P010	YV12, NV12, YUY2, RGB24, RGB32, P010	YV12, NV12, YUY2, RGB24, RGB32, V410, Y410, P010, P210
Video RAW Data Resolution	SFP+ (10G) 3840×2160@60/50/30/25/24fps 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×576p@50fps 720×480i@60fps 720×576i@50fps	RJ45 (10G) 3840×2160@60/50/30/25/24fps 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×576p@50fps 720×480i@60fps 720×576i@50fps	1×SFP+ (10G) 4096×2160@60/50/30/25/24fps 3840×2160@60/50/30/25/24fps 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×576p@50fps 720×480i@60fps 720×576i@50fps
Recording Video Format	H.264 (Software Compression)	H.264 (Software Compression)	H.264 (Software Compression)
Recording Video Resolution	SFP+ (10G) 3840×2160@60/50/30/25/24fps 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×576p@50fps 720×480i@60fps 720×576i@50fps	RJ45 (10G) 3840×2160@60/50/30/25/24fps 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×576p@50fps 720×480i@60fps 720×576i@50fps	1×SFP+ (10G) 4096×2160@60/50/30/25/24fps 3840×2160@60/50/30/25/24fps 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×576p@50fps 720×480i@60fps 720×576i@50fps
Audio Input	4×SDVoE Embedded Audio	4×SDVoE Embedded Audio	1×SDVoE Embedded Audio
Audio Output	N/A	N/A	1×HDMI Embedded Audio
Audio Format	Stereo / 16-bit / 32000 ~ 48000Hz	Stereo / 16-bit / 32000 ~ 48000Hz	Stereo / 16-bit / 32000 ~ 48000Hz
SDK	Windows and Linux SDK	Windows and Linux SDK	Windows and Linux SDK
OS Support	Windows 7/Windows 8/Windows 8.1/Windows 10 Linux 2.6.14 or Higher (32-bit and 64-bit) Linux ARM nVIDIA Jetson TX2, NANO, AGX Xavier, Xavier NX	Windows 7/Windows 8/Windows 8.1/Windows 10 Linux 2.6.14 or Higher (32-bit and 64-bit) Linux ARM nVIDIA Jetson TX2, NANO, AGX Xavier, Xavier NX	Windows 7/Windows 8/Windows 8.1/Windows 10 Linux 2.6.14 or Higher (32-bit and 64-bit) Linux ARM nVIDIA Jetson TX2, NANO, AGX Xavier, Xavier NX

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SDVoE 4K60 | Capture Card Series

	Decoder Copper	Decoder Fiber	Decoder Copper
			
	SC710N1-L SDVoE-C	SC710N1 M2 SDVoE-F	SC710N1 M2 SDVoE-C
Max. FPS	4096×2160p@60/50fps in ➜ 4096×2160p@60/50fps out	4096×2160p@60/50fps in ➜ 4096×2160p@60/50fps out	4096×2160p@60/50fps in ➜ 4096×2160p@60/50fps out
Recording Mode	Software Compression, Real-Time Mode	Software Compression, Real-Time Mode	Software Compression, Real-Time Mode
Dimension	145.4×68.9 (mm) PCIe Low Profile	22×80 (mm) M.2 Type M + 75×70 (mm)	22×80 (mm) M.2 Type M + 75×70 (mm)
Interface	PCIex4 (Gen2)	M.2 (PCIex4)	M.2 (PCIex4)
Video Input	1×RJ45 (10G) (HDR Support, RGB/YUV 420/422/444 8/10bits)	1×SFP+ (10G)	1×RJ45 (10G)
Video Output	1×HDMI 2.0 (Loop-Through, HDR Support HDR10/HLG, RGB/ YUV 420/422/444 8/10bits, 3D Support HDMI1.4B 3D specification)	1×HDMI 2.0 (Loop-Through, HDR Support HDR10/HLG, RGB/ YUV 420/422/444 8/10bits, 3D Support HDMI1.4B 3D specification)	1×HDMI 2.0 (Loop-Through, HDR Support HDR10/HLG, RGB/ YUV 420/422/444 8/10bits, 3D Support HDMI1.4B 3D specification)
Display Video Format	YV12, NV12, YUY2, RGB24, RGB32, V410, Y410, P010, P210	YV12, NV12, YUY2, RGB24, RGB32, V410, Y410, P010, P210	YV12, NV12, YUY2, RGB24, RGB32, V410, Y410, P010, P210
Video RAW Data Resolution	1×RJ45 (10G) 4096×2160@60/50/30/25/24fps 3840×2160@60/50/30/25/24fps 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×576p@50fps 720×480i@60fps 720×576i@50fps	1×SFP+ (10G) 4096×2160@60/50/30/25/24fps 3840×2160@60/50/30/25/24fps 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×576p@50fps 720×480i@60fps 720×576i@50fps	1×RJ45 (10G) 4096×2160@60/50/30/25/24fps 3840×2160@60/50/30/25/24fps 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×576p@50fps 720×480i@60fps 720×576i@50fps
Recording Video Format	H.264 (Software Compression)	H.264 (Software Compression)	H.264 (Software Compression)
Recording Video Resolution	1×RJ45 (10G) 4096×2160@60/50/30/25/24fps 3840×2160@60/50/30/25/24fps 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×576p@50fps 720×480i@60fps 720×576i@50fps	1×SFP+ (10G) 4096×2160@60/50/30/25/24fps 3840×2160@60/50/30/25/24fps 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×576p@50fps 720×480i@60fps 720×576i@50fps	1×RJ45 (10G) 4096×2160@60/50/30/25/24fps 3840×2160@60/50/30/25/24fps 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×576p@50fps 720×480i@60fps 720×576i@50fps
Audio Input	1×SDVoE Embedded Audio	1×SDVoE Embedded Audio A Pair of Analog Audio Connector (Through On-Board Wafer Connection)	1×SDVoE Embedded Audio A Pair of Analog Audio Connector (Through On-Board Wafer Connection)
Audio Output	1×HDMI Embedded Audio	N/A	N/A
Audio Format	Stereo / 16-bit / 32000 ~ 48000Hz	Stereo / 16-bit / 32000 ~ 48000Hz	Stereo / 16-bit / 32000 ~ 48000Hz
SDK	Windows and Linux SDK	Windows and Linux SDK	Windows and Linux SDK
OS Support	Windows 7/Windows 8/Windows 8.1/Windows 10 Linux 2.6.14 or Higher (32-bit and 64-bit) Linux ARM nVIDIA Jetson TX2, NANO, AGX Xavier, Xavier NX	Windows 7/Windows 8/Windows 8.1/Windows 10 Linux 2.6.14 or Higher (32-bit and 64-bit) Linux ARM nVIDIA Jetson TX2, NANO, AGX Xavier, Xavier NX	Windows 7/Windows 8/Windows 8.1/Windows 10 Linux 2.6.14 or Higher (32-bit and 64-bit) Linux ARM nVIDIA Jetson TX2, NANO, AGX Xavier, Xavier NX

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SDVoE 4K60 | Receiver Series

	Decoder	Decoder	Decoder
			
	SDVoE to 12G-SDI V2	SDVoE to HDMI2.0 V2	SDVoE to DP V2
Description	SDVoE to 12G-SDI with PoE Converter	SDVoE to HDMI2.0 with PoE Converter	SDVoE to DP with PoE Converter
Feature	PoE Supported (Supported by 10G/1G RJ45) SDVoE Fiber/Copper Transfer Mode Selectable 1 RJ45 Connectors for Control Usage 1 USB interface for PC connected (Default USB HID, USB2.0 is for Optional) Bi-Direction Audio Transfer Supported IR Transfer Supported RS232 Transfer Supported Rugged Case	PoE Supported (Supported by 10G/1G RJ45) SDVoE Fiber/Copper Transfer Mode Selectable 1 RJ45 Connectors for Control Usage 1 USB interface for PC connected (Default USB HID, USB2.0 is for Optional) Bi-Direction Audio Transfer Supported IR Transfer Supported RS232 Transfer Supported Rugged Case	PoE Supported (Supported by 10G/1G RJ45) SDVoE Fiber/Copper Transfer Mode Selectable 1 RJ45 Connectors for Control Usage 1 USB interface for PC connected (Default USB HID, USB2.0 is for Optional) Bi-Direction Audio Transfer Supported IR Transfer Supported RS232 Transfer Supported Rugged Case
Input Interface	Video RJ45 or SFP+×1(For SDVoE input) Audio 3.5mm Phone Jack×1 for L/R Audio	Video RJ45 or SFP+×1 (For SDVoE input) Audio 3.5mm Phone Jack×1 for L/R Audio	Video RJ45 or SFP+×1(For SDVoE input) Audio 3.5mm Phone Jack×1 for L/R Audio
Output Interface	Converted Video 12G-SDI×1 Audio 3.5mm Phone Jack×1 for L/R Audio	Converted Video HDMI 2.0×1 Audio 3.5mm Phone Jack×1 for L/R Audio	Converted Video DP×1 Audio 3.5mm Phone Jack×1 for L/R Audio
Supported Video Input Format	RJ45/SFP+ Network Packet for Video Transfer	RJ45 or SFP+ Network Packet for Video Transfer	RJ45 or SFP+ Network Packet for Video Transfer
Supported Video Output Format	12G-SDI (Converted) As Input Format	HDMI2.0 (Converted) As Input Format	DP (Converted) As Input Format
Audio Input Format	SDVoE : Up to 8 Channels, 24bit, 48KHz 3.5mm Phone Jack : 2 Channels, 24bit, 48KHz	SDVoE : Up to 8 Channels, 24bit, 48KHz 3.5mm Phone Jack : 2 Channels, 24bit, 48KHz	SDVoE : Up to 8 Channels, 24bit, 48KHz 3.5mm Phone Jack : 2 Channels, 24bit, 48KHz
Audio Output Format	12G-SDI : Up to 8 Channels, 24bit, 192KHz 3.5mm Phone Jack : 2 Channels, 24bit, 48KHz	HDMI : Up to 8 Channels, 24bit, 192KHz 3.5mm Phone Jack : 2 Channels, 24bit, 48KHz	DP : Up to 8 Channels, 24bit, 192KHz 3.5mm Phone Jack : 2 Channels, 24bit, 48KHz
Plug & Play	✓	✓	✓
DC In	7.5V ~ 15V PoE PD Supported (Supported on 10G or 1G RJ45 Port)	7.5V ~ 15V PoE PD Supported (Supported on 10G or 1G RJ45 Port)	7.5V ~ 15V PoE PD Supported (Supported on 10G or 1G RJ45 Port)

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SDVoE 4K60 | Receiver Series

	Decoder / Fiber	Decoder / Copper
	 SDVoE to Multi Pro 4K-F	 SDVoE to Multi Pro 4K-C
Description	SDVoE to HDMI 2.0, DisplayPort 1.2 and 12G-SDI	SDVoE to HDMI 2.0, DisplayPort 1.2 and 12G-SDI
Feature	Auto Source Format Detection 4 USB interface for USB HID Devices connect 1 SFP+ Connector for SDVoE Video Usage 1 RJ45 Connector for SDVoE Control Usage	Auto Source Format Detection 4 USB interface for USB HID Devices connect 2 RJ45 Connectors for SDVoE Video and Control Usage
Input Interface	Video SFP+×1 (For SDVoE Input) Audio 3.5mm Phone Jack×1 for L/R Audio	Video RJ45×1 (For SDVoE Input) Audio 3.5mm Phone Jack×1 for L/R Audio
Output Interface	Converted Video HDMI 2.0×1 DP 1.2×1 12G-SDI×1 Audio 3.5mm Phone Jack×1 for L/R Audio	Converted Video HDMI 2.0×1 DP 1.2×1 12G-SDI×1 Audio 3.5mm Phone Jack×1 for L/R Audio
Supported Video Input Format	SFP+ Network Packet for Video Transfer	RJ45 Network Packet for Video Transfer
Supported Video Output Format	SDI (Converted, for SDI output, Please Provide Supported Resolutions as Below) 12G-SDI 4096x2160p@60/50fps 3840x2160p@60/50fps 6G-SDI 4096x2160p@30/25/24fps 3840x2160p@30/25/24fps 3G-SDI 1920×1080p@60/50fps HD-SDI 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps SD-SDI 720×480i@60fps 720×576i@50fps HDMI 2.0 / DP1.2 (Converted) As Input Format	SDI (Converted, for SDI output, Please Provide Supported Resolutions as Below) 12G-SDI 4096x2160p@60/50fps 3840x2160p@60/50fps 6G-SDI 4096x2160p@30/25/24fps 3840x2160p@30/25/24fps 3G-SDI 1920×1080p@60/50fps HD-SDI 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps SD-SDI 720×480i@60fps 720×576i@50fps HDMI 2.0 / DP1.2 (Converted) As Input Format
Audio Input Format	SDVoE : Up to 8 Channels, 24bit, 48KHz 3.5mm Phone Jack : 2 Channels, 24bit, 48KHz	SDVoE : Up to 8 Channels, 24bit, 48KHz 3.5mm Phone Jack : 2 Channels, 24bit, 48KHz
Audio Output Format	HDMI/DP : 8 Channels, 24bit, 48KHz SDI : 8 Channels, 24bit, 48KHz 3.5mm Phone Jack : 2 Channels, 24bit, 48KHz	HDMI/DP : 8 Channels, 24bit, 48KHz SDI : 8 Channels, 24bit, 48KHz 3.5mm Phone Jack : 2 Channels, 24bit, 48KHz
Plug & Play	✓	✓
DC In	7.5V ~ 15V	7.5V ~ 15V

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SDVoE 4K60 | Receiver Series

Decoder	Fiber	Decoder	Copper
 SDVoE to 12G-SDI-F		 SDVoE to 12G-SDI-C	

Description	SDVoE to 12G-SDI with Audio and USB HID Converter	SDVoE to 12G-SDI with Audio and USB HID Converter
Feature	1 USB interface for USB Devices connect 1 SFP+ Connector for Video Usage 1 RJ45 Connector for Control Usage Rugged Case Bi-Direction Audio Transfer Supported Bi-Direction IR Transfer Supported RS232 Transfer Supported	1 USB interface for USB Devices connect 2 RJ45 Connectors for Video and Control Usage Rugged Case Bi-Direction Audio Transfer Supported Bi-Direction IR Transfer Supported RS232 Transfer Supported
Input Interface	Video SFP+×1 (For SDVoE input) Audio 3.5mm Phone Jack×1 for L/R Audio	Video RJ45×1 (For SDVoE input) Audio 3.5mm Phone Jack×1 for L/R Audio
Output Interface	Converted Video 12G-SDI×1 Audio 3.5mm Phone Jack×1 for L/R Audio	Converted Video 12G-SDI×1 Audio 3.5mm Phone Jack×1 for L/R Audio
Supported Video Input Format	SFP+ Network Packet for Video Transfer	RJ45 Network Packet for Video Transfer
Supported Video Output Format	12G-SDI (Converted) As Input Format	12G-SDI (Converted) As Input Format
Audio Input Format	SDVoE : Up to 8 Channels, 24bit, 48KHz 3.5mm Phone Jack : 2 Channels, 24bit, 48KHz	SDVoE : Up to 8 Channels, 24bit, 48KHz 3.5mm Phone Jack : 2 Channels, 24bit, 48KHz
Audio Output Format	12G-SDI : 8 Channels, 24bit, 48KHz 3.5mm Phone Jack : 2 Channels, 24bit, 48KHz	12G-SDI : 8 Channels, 24bit, 48KHz 3.5mm Phone Jack : 2 Channels, 24bit, 48KHz
Plug & Play	✓	✓
DC In	7.5V ~ 15V	7.5V ~ 15V

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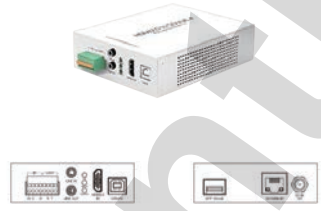
SDVoE 4K60 | Receiver Series

Decoder	Fiber	Decoder	Copper
			
SDVoE to HDMI2.0-F		SDVoE to HDMI2.0-C	

Description	SDVoE to HDMI 2.0 with Audio and USB HID Converter	SDVoE to HDMI 2.0 with Audio and USB HID Converter
Feature	1 USB interface for USB Devices connect 1 SFP+ Connector for Video Usage 1 RJ45 Connector for Control Usage Rugged Case Bi-Direction Audio Transfer Supported Bi-Direction IR Transfer Supported RS232 Transfer Supported	1 USB interface for USB Devices connect 2 RJ45 Connectors for Video and Control Usage Rugged Case Bi-Direction Audio Transfer Supported Bi-Direction IR Transfer Supported RS232 Transfer Supported
Input Interface	Video SFP+×1 (For SDVoE input) Audio 3.5mm Phone Jack×1 for L/R Audio	Video RJ45×1 (For SDVoE input) Audio 3.5mm Phone Jack×1 for L/R Audio
Output Interface	Converted Video HDMI 2.0×1 Audio 3.5mm Phone Jack×1 for L/R Audio	Converted Video HDMI 2.0×1 Audio 3.5mm Phone Jack×1 for L/R Audio
Supported Video Input Format	SFP+ Network Packet for Video Transfer	RJ45 Network Packet for Video Transfer
Supported Video Output Format	HDMI 2.0 (Converted) As Input Format	HDMI 2.0 (Converted) As Input Format
Audio Input Format	SDVoE : Up to 8 Channels, 24bit, 48KHz 3.5mm Phone Jack : 2 Channels, 24bit, 48KHz	SDVoE : Up to 8 Channels, 24bit, 48KHz 3.5mm Phone Jack : 2 Channels, 24bit, 48KHz
Audio Output Format	HDMI : 8 Channels, 24bit, 48KHz 3.5mm Phone Jack : 2 Channels, 24bit, 48KHz	HDMI : 8 Channels, 24bit, 48KHz 3.5mm Phone Jack : 2 Channels, 24bit, 48KHz
Plug & Play	✓	✓
DC In	7.5V ~ 15V	7.5V ~ 15V

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SDVoE 4K60 | Receiver Series

Decoder	Fiber	Encoder	Fiber
 SDVoE to HDMI2.0+-F		 HDMI2.0 to SDVoE+-F	

Description	SDVoE to HDMI 2.0 with Audio and USB2.0 Converter	HDMI2.0 to SDVoE with Audio and USB2.0 Converter
Feature	1 USB interface for USB Devices connect 1 SFP+ Connector for Video Usage 1 RJ45 Connector for Control Usage Rugged Case Bi-Direction Audio Transfer Supported Bi-Direction IR Transfer Supported RS232 Transfer Supported SDVoE PIP Mode Support 4K60	1 USB interface for USB Devices connect 1 SFP+ Connector for Video Usage 1 RJ45 Connector for Control Usage Rugged Case Bi-Direction Audio Transfer Supported Bi-Direction IR Transfer Supported RS232 Transfer Supported SDVoE PIP Mode Support 4K60
Input Interface	Video SFP+×1 (For SDVoE input) Audio 3.5mm Phone Jack×1 for L/R Audio	Video HDMI 2.0×1 Audio 3.5mm Phone Jack×1 for L/R Audio
Output Interface	Converted Video HDMI 2.0×1 Audio 3.5mm Phone Jack×1 for L/R Audio	Video HDMI 2.0×1 Audio 3.5mm Phone Jack×1 for L/R Audio
Supported Video Input Format	SFP+ Network Packet for Video Transfer	HDMI 2.0
Supported Video Output Format	HDMI 2.0 (Converted) As Input Format	SFP+ (Network Packet for Video Transfer) As Input Format
Audio Input Format	SDVoE : Up to 8 Channels, 24bit, 48KHz 3.5mm Phone Jack : 2 Channels, 24bit, 48KHz	HDMI : 8 Channels, 24bit, 48KHz 3.5mm Phone Jack : 2 Channels, 24bit, 48KHz
Audio Output Format	HDMI : 8 Channels, 24bit, 48KHz 3.5mm Phone Jack : 2 Channels, 24bit, 48KHz	SDVoE : Up to 8 Channels, 24bit, 48KHz 3.5mm Phone Jack : 2 Channels, 24bit, 48KHz
Plug & Play	✓	✓
DC In	7.5V ~ 15V PoE PD Supported (Supported on 1G RJ45 Port)	7.5V ~ 15V PoE PD Supported (Supported on 1G RJ45 Port)

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SDVoE 4K60 | Transmitter Series

	Encoder	Encoder	Encoder
	 12G-SDI to SDVoE V2	 HDMI2.0 to SDVoE V2	 DP to SDVoE V2
Description	12G-SDI to SDVoE with PoE Converter	HDMI 2.0 to SDVoE with PoE Converter	DP to SDVoE with PoE Converter
Feature	PoE Supported (Supported by 10G/1G RJ45) SDVoE Fiber/Copper Transfer Mode Selectable 1 RJ45 Connectors for Control Usage 1 USB interface for PC connected (Default USB HID, USB2.0 is for Optional) Bi-Direction Audio Transfer Supported IR Transfer Supported RS232 Transfer Supported Rugged Case	PoE Supported (Supported by 10G/1G RJ45) SDVoE Fiber/Copper Transfer Mode Selectable 1 RJ45 Connectors for Control Usage 1 USB interface for PC connected (Default USB HID, USB2.0 is for Optional) Bi-Direction Audio Transfer Supported IR Transfer Supported RS232 Transfer Supported Rugged Case	PoE Supported (Supported by 10G/1G RJ45) SDVoE Fiber/Copper Transfer Mode Selectable 1 RJ45 Connectors for Control Usage 1 USB interface for PC connected (Default USB HID, USB2.0 is for Optional) Bi-Direction Audio Transfer Supported IR Transfer Supported RS232 Transfer Supported Rugged Case
Input Interface	Video 12G-SDI×1 Audio 3.5mm Phone Jack×1 for L/R Audio	Video HDMI 2.0×1 Audio 3.5mm Phone Jack×1 for L/R Audio	Video DP×1 Audio 3.5mm Phone Jack×1 for L/R Audio
Output Interface	Converted Video RJ45 or SFP+×1 (For SDVoE output) Audio 3.5mm Phone Jack×1 for L/R Audio	Converted Video RJ45 or SFP+×1 (For SDVoE output) Audio 3.5mm Phone Jack×1 for L/R Audio	Converted Video RJ45 or SFP+×1 (For SDVoE output) Audio 3.5mm Phone Jack×1 for L/R Audio
Supported Video Input Format	12G-SDI 4096x2160p@60/50fps 3840x2160p@60/50fps 6G-SDI 4096x2160p@30/25/24fps 3840x2160p@30/25/24fps 3G-SDI 1920×1080p@60/50fps HD-SDI 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps	HDMI 2.0 4096x2160p@60/50fps 4096x2160p@30/25/24fps 3840x2160p@60/50fps 3840x2160p@30/25/24fps 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×576p@50fps 720×480i@60fps 720×576i@50fps	DP 4096x2160p@60/50fps 4096x2160p@30/25/24fps 3840x2160p@60/50fps 3840x2160p@30/25/24fps 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×576p@50fps 720×480i@60fps 720×576i@50fps
Supported Video Output Format	RJ45/SFP+ (Converted) Network Packet for Video Transfer	RJ45 or SFP+ (Converted) Network Packet for Video Transfer	RJ45 or SFP+ (Converted) Network Packet for Video Transfer
Audio Input Format	12G-SDI : Up to 8 Channels, 24bit, 192KHz 3.5mm Phone Jack : 2 Channels, 24bit, 48KHz	HDMI : Up to 8 Channels, 24bit, 192KHz 3.5mm Phone Jack : 2 Channels, 24bit, 48KHz	DP : Up to 8 Channels, 24bit, 192KHz 3.5mm Phone Jack : 2 Channels, 24bit, 48KHz
Audio Output Format	SDVoE : Up to 8 Channels, 24bit, 48KHz 3.5mm Phone Jack : 2 Channels, 24bit, 48KHz	SDVoE : Up to 8 Channels, 24bit, 48KHz 3.5mm Phone Jack : 2 Channels, 24bit, 48KHz	SDVoE : Up to 8 Channels, 24bit, 48KHz 3.5mm Phone Jack : 2 Channels, 24bit, 48KHz
Plug & Play	✓	✓	✓
DC In	7.5V ~ 15V PoE PD Supported (Supported on 10G or 1G RJ45 Port)	7.5V ~ 15V PoE PD Supported (Supported on 10G or 1G RJ45 Port)	7.5V ~ 15V PoE PD Supported (Supported on 10G or 1G RJ45 Port)

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SDVoE 4K60 | Transmitter Series

	Encoder	Encoder
	 AIO to SDVoE V2	 H.26X and Multi to SDVoE V2
Description	Component / S-Video / Composite / DVI I / SDI to SDVoE with Scaler and PoE Converter	HDMI 2.0, DisplayPort 1.2, DVI-DL, and 12G-SDI to STREAM, SDVoE and HDMI 2.0 Converter
Feature	Video Pass Through Mode and Scaler Mode Supported PoE Supported (Supported by 10G/1G RJ45) SDVoE Fiber/Copper Transfer Mode Selectable 1 RJ45 Connectors for Control Usage 1 USB interface for PC connected (Default USB HID, USB2.0 is for Optional) Bi-Direction Audio Transfer Supported IR Transfer Supported RS232 Transfer Supported Rugged Case	Lossless SDVoE Streaming Output H26x Streaming Output (Support RTMP, RTSP, SRT, TS, Full NDI and NDI-HX(*)) DisplayPort Multi-Stream Transport (MST) / Single Stream Transport (SST) Support DVI Dual Link (DVI-DL) Support Multi-Standard Support (12G / 6G / 3G / HD / SD-SDI) Auto Source Format Detection 1 USB Type B for PC Connected 1 USB Type A for Video Record 1 SFP+ or 1 RJ45 Connectors for SDVoE Output Selectable 1 RJ45 Connector for Control Usage 1 RJ45 Connector for STREAM Usage
Input Interface	Video DVI-I×1 BNC×3 for Component / S-Video / Composite SDI×1 Audio 3.5mm Phone Jack×1 for L/R Audio	Video HDMI 2.0×1 DP 1.2×1 DVI-DL×1 12G-SDI×1 Audio 3.5mm Phone Jack×1 for L/R Audio
Output Interface	Converted Video RJ45 or SFP+×1 (For SDVoE output) Audio 3.5mm Phone Jack×1 for L/R Audio	Converted Video HDMI 2.0×1 SFP+×1 (For SDVoE output) RJ45×1 (For SDVoE output) RJ45×1 (For STREAM output) Audio 3.5mm Phone Jack×1 for L/R Audio
Supported Video Input Format	Composite/S-Video NTSC/PAL Component 480i, 576i, 480p, 576p, 720p, 1080i, 1080p DVI-I 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×576p@50fps 720×480i@60fps 720×576i@50fps 3G-SDI 1920×1080p@60/50fps HD-SDI 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps SD-SDI 720×480i@60fps 720×576i@50fps	HDMI 2.0/DP1.2 4096x2160p@60/50fps 4096x2160p@30/25/24fps 3840x2160p@60/50fps 3840x2160p@30/25/24fps 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×576p@50fps 720×480i@60fps 720×576i@50fps DVI-DL 2560×1600p@60/50fps 2560×1600p@30/25/24fps 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×576p@50fps 720×480i@60fps 720×576i@50fps
Supported Video Output Format	RJ45 (Converted) Network Packet for Video Transfer	HDMI (Converted) As Input Format RJ45 or SFP+ (Converted) Network Packet for Video Transfer (10G for SDVoE, 1G for STREAM)
Audio Input Format	HDMI (DVI-D) : Up to 8 Channels, 24bit, 192KHz 3.5mm Phone Jack : 2 Channels, 24bit, 48KHz SDI : 2 Channels, 24bit, 48KHz	HDMI/DP : 8 Channels, 24bit, 48KHz SDI : 8 Channels, 24bit, 48KHz 3.5mm Phone Jack : 2 Channels, 24bit, 48KHz
Audio Output Format	SDVoE : Up to 8 Channels, 24bit, 48KHz 3.5mm Phone Jack : 2 Channels, 24bit, 48KHz	HDMI : 8 Channels, 24bit, 48KHz SDVoE : Up to 8 Channels, 24bit, 48KHz STREAM : Up to 2 Channels, 24bit, 48KHz 3.5mm Phone Jack : 2 Channels, 24bit, 48KHz
Plug & Play	✓	✓
DC In	7.5V ~ 15V PoE PD Supported (Supported on 10G or 1G RJ45 Port)	7.5V ~ 15V

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SDVoE 4K60 | Transmitter Series

Encoder	Fiber	Encoder	Copper
			
12G-SDI to SDVoE-F		12G-SDI to SDVoE-C	

Description	12G-SDI to SDVoE with Audio and USB HID Converter	12G-SDI to SDVoE with Audio and USB HID Converter
Feature	1 USB interface for PC connected 1 SFP+ Connector for Video Usage 1 RJ45 Connector for Control Usage Rugged Case Bi-Direction Audio Transfer Supported IR Transfer Supported RS232 Transfer Supported	1 USB interface for PC connected 2 RJ45 Connectors for Video and Control Usage Rugged Case Bi-Direction Audio Transfer Supported IR Transfer Supported RS232 Transfer Supported
Input Interface	Video 12G-SDI×1 Audio 3.5mm Phone Jack×1 for L/R Audio	Video 12G-SDI×1 Audio 3.5mm Phone Jack×1 for L/R Audio
Output Interface	Converted Video SFP+×1 (For SDVoE output) Audio 3.5mm Phone Jack×1 for L/R Audio	Converted Video RJ45×1 (For SDVoE output) Audio 3.5mm Phone Jack×1 for L/R Audio
Supported Video Input Format	12G-SDI 4096x2160p@60/50fps 3840x2160p@60/50fps 6G-SDI 4096x2160p@30/25/24fps 3840x2160p@30/25/24fps 3G-SDI 1920×1080p@60/50fps HD-SDI 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps	12G-SDI 4096x2160p@60/50fps 3840x2160p@60/50fps 6G-SDI 4096x2160p@30/25/24fps 3840x2160p@30/25/24fps 3G-SDI 1920×1080p@60/50fps HD-SDI 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps
Supported Video Output Format	SFP+ (Converted) Network Packet for Video Transfer	RJ45 (Converted) Network Packet for Video Transfer
Audio Input Format	12G-SDI : 8 Channels, 24bit, 48KHz 3.5mm Phone Jack : 2 Channels, 24bit, 48KHz	12G-SDI : 8 Channels, 24bit, 48KHz 3.5mm Phone Jack : 2 Channels, 24bit, 48KHz
Audio Output Format	SDVoE : Up to 8 Channels, 24bit, 48KHz 3.5mm Phone Jack : 2 Channels, 24bit, 48KHz	SDVoE : Up to 8 Channels, 24bit, 48KHz 3.5mm Phone Jack : 2 Channels, 24bit, 48KHz
Plug & Play	✓	✓
DC In	7.5V ~ 15V	7.5V ~ 15V

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SDVoE 4K60 | Transmitter Series

Encoder	Fiber	Encoder	Copper
			
HDMI2.0 to SDVoE-F		HDMI2.0 to SDVoE-C	

Description	HDMI 2.0 to SDVoE with Audio and USB HID Converter	HDMI 2.0 to SDVoE with Audio and USB HID Converter
Feature	1 USB interface for PC connected 1 SFP+ Connector for Video Usage 1 RJ45 Connector for Control Usage Rugged Case Bi-Direction Audio Transfer Supported IR Transfer Supported RS232 Transfer Supported	1 USB interface for PC connected 2 RJ45 Connectors for Video and Control Usage Rugged Case Bi-Direction Audio Transfer Supported IR Transfer Supported RS232 Transfer Supported
Input Interface	Video HDMI 2.0×1 Audio 3.5mm Phone Jack×1 for L/R Audio	Video HDMI 2.0×1 Audio 3.5mm Phone Jack×1 for L/R Audio
Output Interface	Converted Video SFP+×1 (For SDVoE output) Audio 3.5mm Phone Jack×1 for L/R Audio	Converted Video RJ45×1 (For SDVoE output) Audio 3.5mm Phone Jack×1 for L/R Audio
Supported Video Input Format	HDMI 2.0 4096x2160p@60/50fps 4096x2160p@30/25/24fps 3840x2160p@60/50fps 3840x2160p@30/25/24fps 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×576p@50fps 720×480i@60fps 720×576i@50fps	HDMI 2.0 4096x2160p@60/50fps 4096x2160p@30/25/24fps 3840x2160p@60/50fps 3840x2160p@30/25/24fps 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×576p@50fps 720×480i@60fps 720×576i@50fps
Supported Video Output Format	SFP+ (Converted) Network Packet for Video Transfer	RJ45 (Converted) Network Packet for Video Transfer
Audio Input Format	HDMI : 8 Channels, 24bit, 48KHz 3.5mm Phone Jack : 2 Channels, 24bit, 48KHz	HDMI : 8 Channels, 24bit, 48KHz 3.5mm Phone Jack : 2 Channels, 24bit, 48KHz
Audio Output Format	SDVoE : Up to 8 Channels, 24bit, 48KHz 3.5mm Phone Jack : 2 Channels, 24bit, 48KHz	SDVoE : Up to 8 Channels, 24bit, 48KHz 3.5mm Phone Jack : 2 Channels, 24bit, 48KHz
Plug & Play	✓	✓
DC In	7.5V ~ 15V	7.5V ~ 15V

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SDVoE 4K60 | Transmitter Series

Encoder	Fiber	Encoder	Copper
 Multi to SDVoE Pro 4K-F		 Multi to SDVoE Pro 4K-C	

Description	HDMI 2.0, DisplayPort 1.2, DVI-DL, and 12G-SDI to SDVoE(SFP+), 12G-SDI and HDMI 2.0 Converter		HDMI 2.0, DisplayPort 1.2, DVI-DL, and 12G-SDI to SDVoE, 12G-SDI and HDMI 2.0 Converter	
Feature	DisplayPort Multi-Stream Transport (MST) / Single Stream Transport (SST) Support DVI Dual Link (DVI-DL) Support Multi-Standard Support (12G / 6G / 3G / HD / SD-SDI) SDI support Single Link / Dual Link / Quad Link Quad-Link 2 Sample Interleave (2SI) Input Supported Auto Source Format Detection 1 USB interface for PC connected 1 SFP+ Connector for Video Usage 1 RJ45 Connector for Control Usage		DisplayPort Multi-Stream Transport (MST) / Single Stream Transport (SST) Support DVI Dual Link (DVI-DL) Support Multi-Standard Support (12G / 6G / 3G / HD / SD-SDI) SDI support Single Link / Dual Link / Quad Link Quad-Link 2 Sample Interleave (2SI) Input Supported Auto Source Format Detection 1 USB interface for PC connected 2 RJ45 Connectors for Video and Control Usage	
Input Interface	Video HDMI 2.0×1 DP 1.2×1 DVI-DL×1 SDI-Single Link 12G-SDI, 6G-SDI, 3G-SDI, HD-SDI, SD-SDI SDI-Dual Link 6G-SDI×2, 3G-SDI×2 SDI-Quad Link (2-SI only) 3G-SDI×4, HD-SDI×4 Audio 3.5mm Phone Jack×1 for L/R Audio		Video HDMI 2.0×1 DP 1.2×1 DVI-DL×1 SDI-Single Link 12G-SDI, 6G-SDI, 3G-SDI, HD-SDI, SD-SDI SDI-Dual Link 6G-SDI×2, 3G-SDI×2 SDI-Quad Link (2-SI only) 3G-SDI×4, HD-SDI×4	
Output Interface	Converted Video 12G-SDI×2 HDMI 2.0×1 SFP+×1(For SDVoE output) Audio 3.5mm Phone Jack×1 for L/R Audio		Converted Video 12G-SDI×2 HDMI 2.0×1 RJ45×1 (For SDVoE output)	
Supported Video Input Format	HDMI 2.0/DP1.2 4096x2160p@60/50fps 4096x2160p@30/25/24fps 3840x2160p@60/50fps 3840x2160p@30/25/24fps DVI-DL 2560×1600p@60/50fps 2560×1600p@30/25/24fps 1920×1080p@60/50fps 1920×1080p@30/25/24fps	SDI 12G-SDI (Single Link / Dual Link / Quad Link) 4096x2160p@60/50fps 3840x2160p@60/50fps 6G-SDI (Single Link / Dual Link / Quad Link) 4096x2160p@30/25/24fps 3840x2160p@30/25/24fps 3G-SDI 1920×1080p@60/50fps HD-SDI 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps SD-SDI 720×480i@60fps 720×576i@50fps	HDMI 2.0/DP1.2 4096x2160p@60/50fps 4096x2160p@30/25/24fps 3840x2160p@60/50fps 3840x2160p@30/25/24fps DVI-DL 2560×1600p@60/50fps 2560×1600p@30/25/24fps 1920×1080p@60/50fps 1920×1080p@30/25/24fps	SDI 12G-SDI (Single Link / Dual Link / Quad Link) 4096x2160p@60/50fps 3840x2160p@60/50fps 6G-SDI (Single Link / Dual Link / Quad Link) 4096x2160p@30/25/24fps 3840x2160p@30/25/24fps 3G-SDI 1920×1080p@60/50fps HD-SDI 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps SD-SDI 720×480i@60fps 720×576i@50fps
Supported Video Output Format	HDMI (Converted) As Input Format SFP+ (Converted) Network Packet for Video Transfer	SDI (Converted, for SDI output, Please Provide Supported Resolutions as Below) 12G-SDI 4096x2160p@60/50fps 3840x2160p@60/50fps 6G-SDI 4096x2160p@30/25/24fps 3840x2160p@30/25/24fps 3G-SDI 1920×1080p@60/50fps HD-SDI 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps SD-SDI 720×480i@60fps 720×576i@50fps	HDMI (Converted) As Input Format RJ45 (Converted) Network Packet for Video Transfer	SDI (Converted, for SDI output, Please Provide Supported Resolutions as Below) 12G-SDI 4096x2160p@60/50fps 3840x2160p@60/50fps 6G-SDI 4096x2160p@30/25/24fps 3840x2160p@30/25/24fps 3G-SDI 1920×1080p@60/50fps HD-SDI 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps SD-SDI 720×480i@60fps 720×576i@50fps
Audio Input Format	HDMI/DP : 8 Channels, 24bit, 48KHz SDI : 8 Channels, 24bit, 48KHz 3.5mm Phone Jack : 2 Channels, 24bit, 48KHz		HDMI/DP : 8 Channels, 24bit, 48KHz SDI : 8 Channels, 24bit, 48KHz	
Audio Output Format	HDMI : 8 Channels, 24bit, 48KHz SDI : 8 Channels, 24bit, 48KHz SDVoE : Up to 8 Channels, 24bit, 48KHz 3.5mm Phone Jack : 2 Channels, 24bit, 48KHz		HDMI : 8 Channels, 24bit, 48KHz SDI : 8 Channels, 24bit, 48KHz SDVoE : Up to 8 Channels, 24bit, 48KHz	
Plug & Play	✓		✓	
DC In	7.5V ~ 15V		7.5V ~ 15V	

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SDVoE 4K60 | Transceiver Series

	Encoder+Decoder	Encoder+Decoder
	 H.26X, SDVoE and HDMI2.0 Transceiver	 HDMI2.0 and SDVoE Transceiver

Description	H.26X/SDVoE to H.26X/SDVoE Cross Converter			HDMI 2.0/SDVoE to HDMI 2.0/SDVoE Cross Converter	
Feature	Support Up to 4K60 SDVoE/H.26X Receive and Transfer H.26X Tx/Rx Support Full NDI, NDI Tx/Rx Support (Separate License with NDI Required) Dante AV-H (Separate License with Dante AV-H Required) SDVoE Tx/Rx Mode Selectable SDVoE Fiber/Copper Transfer Mode Selectable Auto Source Format Detection 1 USB Type B for PC Connected 2 USB Type A for PC Peripheral 1 RJ45 Connector for Control Usage RS232 Transfer Supported			SDVoE Tx/Rx Mode Selectable SDVoE Fiber/Copper Transfer Mode Selectable HDMI Loop Through Available Auto Source Format Detection 1 USB Type B for PC Connected 2 USB Type A for PC Peripheral 1 RJ45 Connector for Control Usage IR Transfer Supported RS232 Transfer Supported Dipswitch Feature: Copper / Fiber Selection Encoder / Decoder Selection USB 2.0 / USB PC Selection	
Input Interface	Video RJ45 ×1 (For Stream input) Audio 3.5mm Phone Jack×1 for L/R Audio	Video RJ45(10G) or SFP+×1 (For SDVoE input) Audio 3.5mm Phone Jack×1 for L/R Audio	Video HDMI 2.0×1 Audio 3.5mm Phone Jack×1 for L/R Audio	Tx Mode Video HDMI 2.0×1 Audio 3.5mm Phone Jack×1 for L/R Audio	Rx Mode Video RJ45×1 (For SDVoE input) SFP+×1 (For SDVoE input) Audio 3.5mm Phone Jack×1 for L/R Audio RJ45×1
Output Interface	Video HDMI 2.0×1 (Stream Loop) RJ45(10G) or SFP+×1 (For SDVoE output) Audio 3.5mm Phone Jack×1 for L/R Audio	Video HDMI 2.0×1 (SDVoE Loop) RJ45×1 (For Stream output) Audio 3.5mm Phone Jack×1 for L/R Audio	Video RJ45(10G) or SFP+×1 (For SDVoE output) RJ45×1 (For Stream output) Audio 3.5mm Phone Jack×1 for L/R Audio	Tx Mode Video HDMI 2.0×1 (Loop) RJ45×1 (For SDVoE output) SFP+×1 (For SDVoE output) Audio 3.5mm Phone Jack×1 for L/R Audio RJ45×1	Rx Mode Video HDMI 2.0×1 Audio 3.5mm Phone Jack×1 for L/R Audio
Supported Video Input Format	RJ45 Network Packet for Video Transfer	RJ45(10G)/SFP+ Network Packet for Video Transfer	HDMI 2.0 4096×2160p@60/ 50fps 4096×2160p@30/ 25/24fps 3840×2160p@50fps 3840×2160p@30/ 25/24fps 1920×1080p@60/ 50fps 1920×1080p@30/ 25/24fps 1280×720p@60/ 50fps 1280×720p@30/ 25/24fps	Tx Mode HDMI 2.0 4096x2160p@60/50fps 4096x2160p@30/25/24fps 3840x2160p@60/50fps 3840x2160p@30/25/24fps 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×576p@50fps 720×480i@60fps 720×576i@50fps	Rx Mode RJ45/SFP+ Network Packet for Video Transfer
Supported Video Output Format	HDMI 2.0 (Stream Loop) As Input Format RJ45(10G)/SFP+ Network Packet for Video Trans- fer	HDMI 2.0 (SDVoE Loop) As Input Format RJ45(10G)/SFP+ Network Packet for Video Transfer	RJ45(10G)/SFP+ Network Packet for Video Transfer RJ45(10G)/SFP+ Network Packet for Video Transfer	Tx Mode HDMI 2.0 (Loop) As Input Format RJ45/SFP+ (Converted) Network Packet for Video Transfer	Rx Mode HDMI 2.0 (Converted) 4096x2160p@60/50fps 4096x2160p@30/25/24fps 3840x2160p@60/50fps 3840x2160p@30/25/24fps 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×48 0p@60fps 720×576p@50fps 720×480i@60fps 7 20×576i@50fps
Audio Input Format	HDMI : 8 Channels, 24bit, 48KHz 3.5mm Phone Jack : 2 Channels, 24bit, 48KHz SDVoE : Up to 8 Channels, 24bit, 48KHz Stream/NDI : Up to 2 Channels, 24bit, 48KHz			HDMI : 8 Channels, 24bit, 48KHz 3.5mm Phone Jack : 2 Channels, 24bit, 48KHz SDVoE : Up to 8 Channels, 24bit, 48KHz	
Audio Output Format	HDMI : 8 Channels, 24bit, 48KHz 3.5mm Phone Jack : 2 Channels, 24bit, 48KHz SDVoE : Up to 8 Channels, 24bit, 48KHz Stream/NDI : Up to 2 Channels, 24bit, 48KHz			HDMI : 8 Channels, 24bit, 48KHz 3.5mm Phone Jack : 2 Channels, 24bit, 48KHz SDVoE : Up to 8 Channels, 24bit, 48KHz	
Plug & Play	✓			✓	
DC In	7.5V ~ 15V PoE PD Supported			7.5V ~ 15V PoE PD Supported	

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Dante AV Series

1G/100M Dante AV Protocol Solution



- Dante AV Ultra/AV-H Technology
- 1G Bandwidth
- Low Latency
- Professional Audio/Video Sync
- Plug & Play Configuration
- Industry Standard Solution

Dante AV™

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Dante AV Series

1G/100M Dante AV Protocol Solution



Multi Input Interface

In a variety of application scenarios, preferences for input interfaces may vary. YUAN's solutions support a wide range of interfaces from 4K to SD, covering HDMI, DP, SDI, DVI, VGA, YPbPr, Composite, and S-Video. we are committed to assisting our customers in finding the most suitable solution for their specific applications.



Complete Product Lines

YUAN has always been committed to making it easy and flexible for users to set up Dante AV systems, and has therefore launched a number of product series with integrated Tx and Rx functions. Take the SC6E0 series as an example, this series of products also has a variety of signal inputs and outputs such as SDI, HDMI, etc., and supports Dante AV encoding or decoding. This allows you to build a Dante AV solution that best suits your needs in the simplest way.



Video and Audio Synchronization

Low-latency and high-quality audio transmission is a key feature of Dante AV, especially in application scenarios that require real-time audio processing. This makes Dante AV the preferred choice for live performances, music production and broadcasting, providing users with unrivalled audio and visual enjoyment.



Dante Controller & DDM

All Dante AV devices can be configured and operated via the Dante Controller, which is ready to use as soon as it is downloaded. The matrix UI design allows you to quickly grasp the status of all the devices and adjust them at any time.DDM (Dante Domain Manager) is an advanced management software that can be used to manage the network structure and group the devices to reduce the burden on the system. In addition, the system is equipped with a privilege management mechanism to protect system privacy.



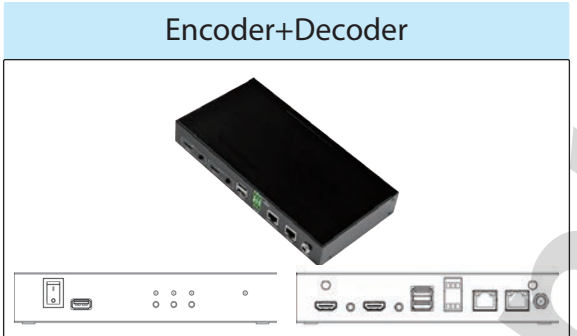
Pack and Go - PoE

The PoE feature allows devices to be powered via an RJ45 network cable without the need for an additional power supply. If you have a PoE switch, the SC6E0 series, which supports multiple interfaces, is ideal for your deployment.

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Dante AV 4K60 | Hybrid Series (Dante AV Ultra+AV-H)

Encoder+Decoder



SC6F0N1 HDMI2.0 Ultra

Description	Hybrid Dante AV Ultra/AV-H with Full NDI and H.26X streaming
Feature	Web UI for System Configuration Firmware upgradable 1×USB3.0 2×USB2.0 1×RS232 + 1×RS485
Input Interface	Video 1×HDMI2.0 Audio 1×3.5mm stereo analog audio
Output Interface	Video 1×HDMI2.0 Audio 1×3.5mm stereo analog audio
Video Feature	H.265/H.264/Dante AV Ultra Hardware Compression Support resolutions 4096×2160p@60/50fps 4096×2160p@30/25/24fps 3840×2160p@60/50fps 3840×2160p@30/25/24fps 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1280×720p@60/50fps 1280×720p@30/25/24fps
Audio Feature	AAC-LC Configurable bit rate range from 32Kbps to 384Kbps Sample rate : 48KHz, 16bit, Stereo
Network Feature	2×RJ45 for 10/100/1000Mbps Ethernet (For normal and Dante AV Ultra connection) Wifi : 802.11b/g/n for Option
Support Streaming protocol	Dante AV Ultra, Dante AV-H* Full NDI, NDI|HX* TS Over UDP RTSP Over HTTP/TCP/UDP RTMP HLS SRT *Optional by Customer Required need License
Peripheral Features	Web UI for system configuration Firmware upgradable LED indicator Status with Power Recycle 1×USB3.0 2×USB2.0 1×RS232 + 1×RS485
Record Format	MP4 / TS / MOV
Power Supply	DC input : 12V / 2A Support POE input

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Dante AV 4K60 | Dante AV Ultra Series

	Decoder	Encoder
	 Dante AV-Ultra to HDMI2.0	 HDMI2.0 to Dante AV-Ultra
Description	Dante AV Ultra to HDMI 2.0 with Audio and USB HID Converter	HDMI 2.0 to Dante AV Ultra with Audio and USB HID Converter
Feature	2 USB interface for USB Devices connect Bi-Direction Audio Transfer Supported Bi-Direction IR Transfer Supported RS232 Transfer Supported	1 USB interface for PC connected Bi-Direction Audio Transfer Supported IR Transfer Supported RS232 Transfer Supported
Input Interface	Video RJ45×1 (For Dante AV Ultra input)	Video HDMI 2.0×1 Audio 3.5mm Phone Jack×1 for L/R Audio
Output Interface	Converted Video HDMI 2.0×1 Audio 3.5mm Phone Jack×1 for L/R Audio	Converted Video RJ45×1 (For Dante AV Ultra output)
Supported Video Input Format	RJ45 Network Packet for Video Transfer	HDMI 2.0 4096x2160p@60/50fps 4096x2160p@30/25/24fps 3840x2160p@60/50fps 3840x2160p@30/25/24fps 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×576p@50fps 720×480i@60fps 720×576i@50fps
Supported Video Output Format	HDMI 2.0 (Converted) As Input Format	RJ45 (Converted) Network Packet for Video Transfer
Audio Input Format	Dante AV Ultra : 8 Channels, 24bit, 192KHz	HDMI : 8 Channels, 24bit, 192KHz 3.5mm Phone Jack : 2 Channels, 24bit, 48KHz
Audio Output Format	HDMI : 2 Channels, 24bit, 48KHz 3.5mm Phone Jack : 2 Channels, 24bit, 48KHz	Dante AV Ultra : 2 Channels, 24bit, 48KHz
Plug & Play	✓	✓
DC In	7.5V ~ 15V Support POE input	7.5V ~ 15V Support POE input

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Dante AV 4K60 | Dante AV-H Series

	Encoder+Decoder+Switch	Encoder+Decoder+Switch
	 SC6T0N4 12G-SDI	 SC6T0N4 HDMI2.0
CPU	11th Gen Intel® Core™ i7 1185G7E (2.8GHz)	11th Gen Intel® Core™ i7 1185G7E (2.8GHz)
Max. FPS	4096×2160p@60/50fps	4096×2160p@60/50fps
A/V Input Interfaces	Video 4×12G-SDI Audio 4×HDMI Embedded Digital Audio (LPCM) 1×3.5mm Line/MIC in	Video 4×HDMI2.0 Audio 4×HDMI Embedded Digital Audio (LPCM) 1×3.5mm Line/MIC in
A/V Output Interface	Video 2×HDMI2.0 (Multiview / PGM) Audio 2×HDMI Embedded Digital Audio (LPCM) 1×3.5mm Line out	Video 2×HDMI2.0 (Multiview / PGM) Audio 2×HDMI Embedded Digital Audio (LPCM) 1×3.5mm Line out
Video Feature	Support Input / Output Resolutions 4096×2160p@60/50fps 3840×2160p@60/50fps 4096×2160p@30/25/24fps 3840×2160p@30/25/24fps 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×576p@50fps 720×480i@60fps 720×576i@50fps	Support Input / Output Resolutions 4096×2160p@60/50fps 3840×2160p@60/50fps 4096×2160p@30/25/24fps 3840×2160p@30/25/24fps 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×576p@50fps 720×480i@60fps 720×576i@50fps
Video Encode	Support Resolutions 4096×2160p@60/50fps 3840×2160p@60/50fps 4096×2160p@30/25/24fps 3840×2160p@30/25/24fps 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×576p@50fps 720×480i@60fps 720×576i@50fps	Support Resolutions 4096×2160p@60/50fps 3840×2160p@60/50fps 4096×2160p@30/25/24fps 3840×2160p@30/25/24fps 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×576p@50fps 720×480i@60fps 720×576i@50fps
Audio Feature	Configurable bit Rate Range from 32Kbps to 384Kbps Sample Rate : 48KHz, 16bit, Stereo	Configurable bit Rate Range from 32Kbps to 384Kbps Sample Rate : 48KHz, 16bit, Stereo
Network Feature	2×RJ45 for 10/100/1000Mbps Ethernet DHCP Client **Wifi (Option) : **802.11b/g/n **802.11ac ** Optional by Customer Request	2×RJ45 for 10/100/1000Mbps Ethernet DHCP Client **Wifi (Option) : **802.11b/g/n **802.11ac ** Optional by Customer Request
5G Support	LTE Cat20 (Option) LTE FDD Supported LTE TDD Supported Sub-6 (Option) SA Supported Non-SA Supported ** Optional by Customer Request	LTE Cat20 (Option) LTE FDD Supported LTE TDD Supported Sub-6 (Option) SA Supported Non-SA Supported ** Optional by Customer Request
Support Streaming Protocol	Dante AV-H* NDI|HX* TS Over UDP RTSP Over HTTP/TCP/UDP RTMP HLS SRT *Optional by Customer Required need License	Dante AV-H* NDI|HX* TS Over UDP RTSP Over HTTP/TCP/UDP RTMP HLS SRT *Optional by Customer Required need License
Misc. Features	Firmware Upgradable LED Indicator 2×USB3.0 2×USB2.0 Bluetooth Supported (Option)	Firmware Upgradable LED Indicator 2×USB3.0 2×USB2.0 Bluetooth Supported (Option)
PGM Mode Switch	PGM Mode Switch Full Screen Quadview Picture by Picture Picture in Picture PGM Loop Full Screen Switch : Channel 1~Channel 4	PGM Mode Switch Full Screen Quadview Picture by Picture Picture in Picture PGM Loop Full Screen Switch : Channel 1 Channel 2 Channel 3 Channel 4
Support Record Device	External USB3.0 HDD Internal SATA 2.5" HDD *HDD Not Included at SC6T0	External USB3.0 HDD Internal SATA 2.5" HDD *HDD Not Included at SC6T0
SDK Support	YUAN QCAP Video Capture SDK	YUAN QCAP Video Capture SDK YUAN QDEEP AI Algorithm SDK Intel® Distribution of OpenVINO™ toolkit

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Dante AV 4K60 | Dante AV-H Series

Encoder + Decoder



SC6F0N1 HDMI2.0

Max. FPS	4096×2160p@60/50fps
Recording Mode	Hardware Compression
Input Interfaces	Video 1×HDMI2.0 Audio 1×3.5mm stereo analog audio
Output Interface	Video 1×HDMI2.0 Audio 1×3.5mm stereo analog audio
Video Feature	H.265/H.264 Hardware Compression Support resolutions 4096×2160p@60/50fps 4096×2160p@30/25/24fps 3840×2160p@60/50fps 3840×2160p@30/25/24fps 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1280×720p@60/50fps 1280×720p@30/25/24fps
Audio Feature	AAC-LC Configurable bit rate range from 32Kbps to 384Kbps Sample rate : 48KHz, 16bit, Stereo
Network Feature	1×RJ45 for 10/100/1000Mbps Ethernet Wifi : 802.11b/g/n for Option
Support Streaming Protocol	Dante AV Ultra, Dante AV-H* Full NDI, NDI|HX* TS Over UDP RTSP Over HTTP/TCP/UDP RTMP HLS SRT *Optional by Customer Required need License
Misc. Features	Web UI for system configuration Firmware upgradable LED indicator Status with Power Recycle 1×USB3.0 2×USB2.0 1×RS232 + 1×RS485
Record Format	MP4 / TS / MOV
Power Supply	DC input : 12V / 2A Max power consumption: 16W Support POE input

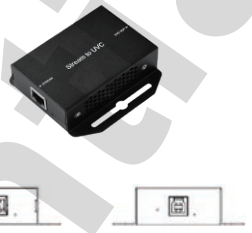
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Dante AV 4K60 | Dante AV-H Series

	Encoder + Decoder	Encoder+Decoder
	 SC6G0N1 HDMI2.0	 SC6D0N1 HDMI2.0+
Max. FPS	3840×2160p@60/50fps	3840×2160p@60/50fps
Recording Mode	Hardware Compression	Hardware Compression
Input Interfaces	Video 1×HDMI2.0 Audio 1×3.5mm stereo analog audio	Video 1×HDMI2.0 Audio 1×3.5mm stereo analog audio
Output Interface	Video 1×HDMI2.0 Audio 1×3.5mm stereo analog audio	Video 1×HDMI2.0 Audio 1×3.5mm stereo analog audio
Video Feature	H.265 (HEVC) /H.264/AVC, Baseline/Main/High Profile Configurable Bit Rate Up to 64Mbps Support input / output resolutions 3840×2160p@60/50fps 3840×2160p@30/25/24fps 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×576p@50fps 720×480i@60fps 720×576i@50fps	H.265(HEVC)/H.264/AVC, Baseline/Main/High Profile Configurable Bit Rate Up to 64Mbps Support input / output resolutions 3840×2160p@60/50fps 3840×2160p@30/25/24fps 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×576p@50fps 720×480i@60fps 720×576i@50fps
Audio Feature	AAC-LC Configurable bit rate range from 32Kbps to 384Kbps Sample rate : 48KHz, 16bit, Stereo	AAC-LC Configurable bit rate range from 32Kbps to 384Kbps Sample rate : 48KHz, 16bit, Stereo
Network Feature	1×RJ45 for 10/100/1000Mbps Ethernet DHCP client	1×RJ45 for 10/100/1000Mbps Ethernet DHCP client
Support Streaming protocol	Dante AV-H* NDI|HX* TS Over UDP RTSP Over HTTP/TCP/UDP RTMP HLS SRT *Optional by Customer Required need License	Dante AV-H* NDI|HX* TS Over UDP RTSP Over HTTP/TCP/UDP RTMP HLS SRT *Optional by Customer Required need License
Misc. Features	Web UI for system configuration Firmware upgradable LED indicator Status with Power Recycle 1×USB3.0 (For external storage usage) 2×USB2.0 (For Keyboard and mouse usage) 1×RS232 + 1×RS485	Web UI for system configuration Firmware upgradable LED indicator Status with Power Recycle 1×USB3.0 (For external storage usage) 2×USB2.0 (For Keyboard and mouse usage) 1×RS232 + 1×RS485
Record Format	MP4 / TS / MOV	MP4 / TS / MOV
Power Supply	DC input : 12V / 2A Support POE input	DC input : 12V / 2A Power consuming : 19.475W maximum Estimated Support POE input

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Dante AV 4K60 | Dante AV-H Series

	Encoder	Decoder	Decoder
	 SC6G0N1 HDMI2.0 to IP/UVC V2	 SC6G0N1 IP to UVC/HDMI2.0	 SC6G0N1 IP to UVC
Max. FPS	3840×2160p@60/50fps	3840×2160p@60/50fps	3840×2160p@60/50fps
Recording Mode	Hardware Compression	Hardware Compression	Hardware Compression
Input Interfaces	1×HDMI2.0	Video 1×RJ45	Video 1×RJ45
Output Interface	1×RJ45 1×USB3.0 Type B (UVC) output	Video 1×HDMI2.0 1×USB3.0 Type-C (UVC) output	Video 1×USB3.0 Type-B (UVC) output
Video Feature	H.265(HEVC)/H.264/AVC, Baseline/Main/High Profile Configurable Bit Rate Up to 64Mbps Support input / output resolutions 3840 × 2160p@60/50fps 3840 × 2160p@30/25/24fps 1920 × 1080p@60/50fps 1920 × 1080p@30/25/24fps 1280 × 720p@60/50fps 1280 × 1024p@60fps 1280 × 960p@60fps 1024 × 768p@60fps 800 × 600p@60fps 640 × 480p@60fps 720 × 480p@60fps 720 × 576p@50fps	H.265(HEVC)/H.264/AVC, Baseline/Main/High Profile Configurable Bit Rate Up to 64Mbps Support input / output resolutions 3840×2160p@60/50fps 3840×2160p@30/25/24fps 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×576p@50fps	H.265(HEVC)/H.264/AVC, Baseline/Main/High Profile Configurable Bit Rate Up to 64Mbps Support input / output resolutions 3840×2160p@60/50fps 3840×2160p@30/25/24fps 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×576p@50fps
Audio Feature	AAC-LC Configurable bit rate range from 32Kbps to 384Kbps Sample rate : 48KHz, 16bit	AAC-LC Configurable bit rate range from 32Kbps to 384Kbps Sample rate : 48KHz, 16bit, Stereo	AAC-LC Configurable bit rate range from 32Kbps to 384Kbps Sample rate : 48KHz, 16bit, Stereo
UVC Output	NV12 2160p30/25/24 YUY2/NV12 1080p60/50/30/25/24 720p60/50/30/24 640x480p30 320x240p30 MJPEG/H.264/H.265 2160p60/50 2160p30/25/24 1080p60/50/30/25/24 720p60/50/30/24 640x480p30 320x240p30	NV12 2160p30/25/24 YUY2/NV12 1080p60/50/30/25/24 720p60/50/30/24 640×480p30 320×240p30 MJPEG/H.264/H.265 2160p60/50 2160p30/25/24 1080p60/50/30/25/24 720p60/50/30/24 640×480p30 320×240p30	NV12 2160p30/25/24 YUY2/NV12 1080p60/50/30/25/24 720p60/50/30/24 640×480p30 320×240p30 MJPEG/H.264/H.265 2160p60/50 2160p30/25/24 1080p60/50/30/25/24 720p60/50/30/24 640×480p30 320×240p30
Network Feature	1×RJ45 for 10/100/1000Mbps Ethernet DHCP Client / Static IP	1×RJ45 for 10/100/1000Mbps Ethernet DHCP Client	1×RJ45 for 10/100/1000Mbps Ethernet DHCP Client
Support Streaming Protocol	Dante AV-H* NDI|HX* TS Over UDP RTSP Over HTTP/TCP/UDP RTMP HLS SRT *Optional by Customer Required need License	Dante AV-H* NDI|HX* TS Over UDP RTSP Over HTTP/TCP/UDP RTMP HLS SRT *Optional by Customer Required need License	Dante AV-H* NDI|HX* TS Over UDP RTSP Over HTTP/TCP/UDP RTMP HLS SRT *Optional by Customer Required need License
Misc. Features	HDMI Embedded Audio	UVC Supported Web UI for System Configuration Firmware Upgradable	UVC Supported Web UI for System Configuration Firmware Upgradable
Record Format	Stereo / 16bit / 48000Hz	MP4 / TS / MOV	N/A
Power Supply	DC input : 12V PoE (802.3af)	DC input : 12V PoE (802.3af)	USB Bus Power

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Dante AV 4K60 | Dante AV-H Series

Decoder



SC6E0N1 IP/UVC to HDMI2.0 V2

Max. FPS	4096×2160p@60/50fps
Recording Mode	Hardware Compression, Real-Time Mode
Input Interfaces	Video 1×RJ45 (RTSP/RTMP/HLS/TS/SRT/NDI HX/Dante AV-H Support) 1×USB3.0 Type A (UVC) input
Output Interface	Video 1×HDMI2.0 1×SDI (Optional)
Video Feature	H.265/H.264/AVC, Baseline/Main/High Profile Supported HDMI output Resolutions 4096×2160p@60/50fps 4096×2160p@30/25/24fps 3840×2160p@60/50fps 3840×2160p@30/25/24fps 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×576p@50fps
Audio Feature	AAC-LC Configurable bit rate range from 32Kbps to 384Kbps Sample rate : 48KHz, 16bit
Network Feature	1×RJ45 for 10/100/1000Mbps Ethernet DHCP Client
Support Streaming Protocol	Dante AV-H* NDI|HX* TS Over UDP RTSP Over HTTP/TCP/UDP RTMP HLS SRT *Optional by Customer Required need License
Misc. Features	Web UI for System Configuration Firmware Upgradable
Power Supply	DC in Support POE input

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Dante AV 1080P | Dante AV-H Series

	Encoder+Decoder+Switch	Encoder+Decoder+Switch
	 SC6D0N4 SDI	 SC6D0N4 HDMI
Max. FPS	1920×1080p@300fps (4 SDI + 1 PGM Channels)	1920×1080p@300fps (4 HDMI + 1 PGM Channels)
Recording Mode	Hardware Compression	Hardware Compression
Input Interfaces	Video 4×SDI Audio 4×3.5mm	Video 4×HDMI Audio 4×3.5mm
Output Interface	Video 1×HDMI (Multiview / PGM) 1×SDI (PGM) Audio 1×3.5mm	Video 1×HDMI (Multiview / PGM) 1×HDMI (PGM) Audio 1×3.5mm
Video Feature	H.264/AVC, Baseline/Main/High Profile Configurable Bit Rate Up to 64Mbps Support input resolutions 1920×1080 (P60/P50/P30/P25/P24/i60/i50) 1280×720 (P60/P50) Support output resolutions Resize Range from 160×120 to 1920×1080 (P60)	H.264/AVC, Baseline/Main/High Profile Configurable Bit Rate Up to 64Mbps Support input resolutions 1920×1080 (P60/P50/P30/P25/P24/i60/i50) 1280×720 (P60/P50), 1280×1024 (P60), 1280×960 (P60) 1024×768 (P60), 800×600 (P60), 720×480 (P60/i60) 640×480 (P60), 720×576 (P50/i50) Support output resolutions Resize Range from 160×120 to 1920×1080 (P60)
Audio Feature	AAC-LC Configurable bit rate range from 32Kbps to 384Kbps Sample rate : 48KHz, 16bit	AAC-LC Configurable bit rate range from 32Kbps to 384Kbps Sample rate : 48KHz, 16bit
Network Feature	1×RJ45 for 10/100/1000Mbps Ethernet Expandable internet interface on board DHCP client	1×RJ45 for 10/100/1000Mbps Ethernet Expandable internet interface on board DHCP client
Support Streaming protocol	Dante AV-H* NDI|HX* TS Over UDP RTSP Over HTTP/TCP/UDP RTMP HLS SRT *Optional by Customer Required need License	Dante AV-H* NDI|HX* TS Over UDP RTSP Over HTTP/TCP/UDP RTMP HLS SRT *Optional by Customer Required need License
Misc. Features	512MB Flash 2GB Memory Web UI for system configuration Firmware upgradable LED indicator Status with Power Recycle 2×USB2.0 (For Keyboard and mouse usage) 1×USB3.0 (For external storage usage) 1×RS232 + 1×RS485/RS232 Main function switch Record Snapshot Stream PGM mode switch Full screen Quadview Picture by picture Picture in picture PGM Loop Full screen switch Channel 1~Channel 4	Web UI for system configuration Firmware upgradable LED indicator Status with Power Recycle 2×USB2.0 (For Keyboard and mouse usage) 1×USB3.0 (For external storage usage) 1×RS232 + 1×RS485/RS232 Main function switch Record Snapshot Stream PGM mode switch Full screen Quadview Picture by picture Picture in picture PGM Loop Full screen switch Channel 1~Channel 4
Record Format	MP4 / TS / MOV	MP4 / TS / MOV
Power Supply	DC input : 12V / 2A Power consuming : 19.475W maximum Estimated	DC input : 12V / 2A Power consuming : 19.475W maximum Estimated

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Dante AV 1080P | Dante AV-H Series

	Encoder+Decoder	Encoder+Decoder
	 SC6E0N1 AIO	 SC6D0N1 AIO
Max. FPS	1920×1080p@60/50fps	1920×1080p@60/50fps
Recording Mode	Hardware Compression, Real-Time Mode	Hardware Compression, Real-Time Mode
Input Interfaces	Video 1×BNC for 3G/HD/SD-SDI 3×BNC for YPbPr/CVBS/S-Video 1×DVI-I for DVI-D/HDMI and DVI-A/VGA 1×HDMI Audio 2×RCA for Analog L/R Audio SDI/HDMI/DVI-D Embedded Audio 1×3.5 mm Phone Jack	Video 1×BNC for 3G/HD/SD-SDI 3×BNC for YPbPr 1×DVI-I for DVI-D/HDMI and DVI-A/VGA 1×HDMI Audio 1×RCA for Analog L/R Audio SDI/HDMI/DVI-D Embedded Audio 1×3.5 mm Phone Jack
Output Interface	Video 1×HDMI	Video 1×HDMI
Video Feature	H.265/H.264/AVC, Baseline/Main/High Profile Support input / output resolutions 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×576p@50fps 720×480i@60fps 720×576i@50fps	H.264/H.265/AVC, Baseline/Main/High Profile Configurable Bit Rate Up to 64Mbps (for each stream) Supported Resolutions Input 1920×1080 (P60/P50/P30/P25/P24/i60/i50) 1280×720 (P60/P50), 1280×1024 (P60), 1280×960 (P60) 1024×768 (P60), 800×600 (P60), 720×480 (P60/i60) 640×480 (P60), 720×576 (P50/i50) Output Resize Range from 320×240 to 3840×2160 (P30) *Output Include Down Scaling
Audio Feature	Input Audio Stream : AAC	AAC-LC Configurable Bit Rate Range from 32Kbps to 384Kbps Sample Rate : 48KHz, 16Bit
Network Feature	1×RJ45 for 10/100/1000Mbps Ethernet DHCP Client	1×RJ45 for 10/100/1000Mbps Ethernet DHCP Client
Support Streaming protocol	Dante AV-H* NDI|HX* TS Over UDP RTSP Over HTTP/TCP/UDP RTMP HLS SRT *Optional by Customer Required need License	Dante AV-H* NDI|HX* TS Over UDP RTSP Over HTTP/TCP/UDP RTMP HLS SRT *Optional by Customer Required need License
Misc. Features	RS485 1×USB 3.0 Host for USB Storage 2×USB 2.0 (For Keyboard and mouse usage) Web UI for System Configuration Firmware Upgradable LED Indicator	Dynamic Parameter Setting RS485 1×USB 3.0 Host for USB Storage Web UI for System Configuration Firmware Upgradable LED Indicator PGM mode switch Full screen Picture by picture (Selectable CH1: SDI, CH2: YPbPr/DVI-I/HDMI) Picture in picture (Selectable CH1: SDI, CH2: YPbPr/DVI-I/HDMI)
Power Supply	DC input : 12V / 2A	DC input : 12V / 2A

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Dante AV 1080P | Dante AV-H Series

Encoder+Decoder	Encoder
 SC6E0N1 AIO Lite	 SC6E0N1 HDMI to IP/UVC V2

Max. FPS	1920×1080p@60/50fps	1920×1080p@60/50fps
Recording Mode	Hardware Compression, Real-Time Mode	Hardware Compression, Real-Time Mode
Input Interfaces	Video 1×HDMI 1×SDI Audio 1×3.5 mm Phone Jack	Video 1×HDMI
Output Interface	Video 1×HDMI 2.0 (PGM) 1×HDMI (Loop through) 1×SDI (Loop through) Audio 1×3.5 mm Phone Jack	Video 1×RJ45 (RTSP/RTMP/HLS/TS/SRT/NDI HX/Dante AV-H Support) 1×USB3.0 Type B (UVC) output
Video Feature	H.265/H.264/AVC, Baseline/Main/High Profile Support input / output resolutions 3840×2160p@60/50fps (Output only) 3840×2160p@30/25/24fps (Output only) 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60f ps 720×576p@50fps 720×480i@60fps 720×576i@50fps	H.265/H.264/AVC, Baseline/Main/High Profile Supported HDMI input Resolutions 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×576p@50fps
Audio Feature	Input Audio S tream: AAC	AAC-LC Configurable bit rate range from 32Kbps to 384Kbps Sample rate : 48KHz, 16bit
Network Feature	1×RJ45 for 10/100/1000Mbps Ethernet DHCP Client	1×RJ45 for 10/100/1000Mbps Ethernet DHCP Client
Support Streaming protocol	Dante AV-H* NDI|HX* TS Over UDP RTSP Over HTTP/TCP/UDP RTMP HLS SRT *Optional by Customer Required need License	Dante AV-H* NDI|HX* TS Over UDP RTSP Over HTTP/TCP/UDP RTMP HLS SRT *Optional by Customer Required need License
Misc. Features	1×USB 3.0 Host for USB Storage 2×USB 2.0 (For Keyboard and mouse usage) Web UI for System Configuration Firmware Upgradable LED Indicator	Web UI for System Configuration Firmware Upgradable
Power Supply	DC input : 12V / 2A	DC input : 12V / 2A Support POE input

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NDI Series

1G/100M NDI & Multi-Protocol Streaming



- 1G Bandwidth
- Low Latency Streaming
- Full NDI|HX Compatibility
- Plug & Play Configuration
- Industry Standard for Broadcast & Production

NDI® | HX

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NDI Series

1G/100M NDI & Multi-Protocol Streaming



Multi Input Interface

In a variety of applications, preferences for input interfaces may vary, and YUAN's solutions support a wide range of interfaces, from 4K to SD, including HDMI, DP, SDI, DVI, VGA, YPbPr, Composite, S-Video. From 4K to SD covering HDMI, DP, SDI, DVI, VGA, YPbPr, Composite, S-Video, we are committed to assisting our customers in finding the most suitable solution for their specific application.



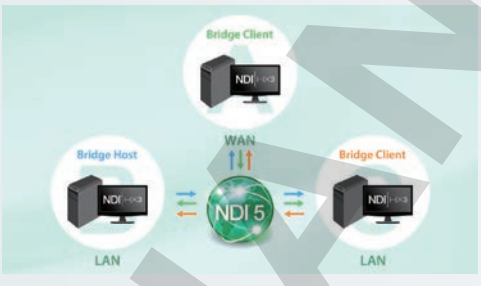
Complete Product Lines

YUAN has always been committed to making it easy and flexible for users to set up NDI systems, and has therefore launched a number of product series with integrated Tx and Rx functions. Take the SC6E0 series as an example, this series of products has multiple signal input / output functions such as SDI, HDMI, etc., and supports NDI encoding and decoding. This helps you to build an NDI solution that meets your needs in the simplest way.



Low Latency

Full NDI can transmit light compressed HD video with less than 50ms latency, especially in 4K60 resolution, which is suitable for professional users who are more strict about video presentation. NDI|HX can also reach latency of less than 100ms and bandwidth of only 60Mbps, which can satisfy the needs of general users such as video conferencing and live streaming.



NDI 5

YUAN's SC6F0 series supports not only Full NDI, but also NDI|HX3 / 2. With the advantage of low latency and high quality transmission, this series also adds the function of cross-domain connection. This not only enhances the interoperability between NDI devices, but also allows users to share video and audio more flexibly and quickly, and builds a more complete NDI system ecosystem.



Pack and Go - PoE

The PoE feature allows devices to be powered via an RJ45 network cable, eliminating the need for an additional power supply. If you have a PoE switch, the SC6F0 series, which supports 4K60 codecs and Full NDI technology, is ideal for your deployment.

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NDI 4K60 | Hybrid (Full NDI+NDI|HX) / Full NDI Series

Encoder + Decoder



SC6F0N1 HDMI2.0

Max. FPS	4096×2160p@60/50fps
Recording Mode	Hardware Compression
Input Interfaces	Video 1×HDMI2.0 Audio 1×3.5mm stereo analog audio
Output Interface	Video 1×HDMI2.0 Audio 1×3.5mm stereo analog audio
Video Feature	H.265/H.264 Hardware Compression Support resolutions 4096×2160p@60/50fps 4096×2160p@30/25/24fps 3840×2160p@60/50fps 3840×2160p@30/25/24fps 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1280×720p@60/50fps 1280×720p@30/25/24fps
Audio Feature	AAC-LC Configurable bit rate range from 32Kbps to 384Kbps Sample rate : 48KHz, 16bit, Stereo
Network Feature	1×RJ45 for 10/100/1000Mbps Ethernet Wifi : 802.11b/g/n for Option
Support Streaming Protocol	Dante AV Ultra, Dante AV-H* Full NDI, NDI|HX* TS Over UDP RTSP Over HTTP/TCP/UDP RTMP HLS SRT *Optional by Customer Required need License
Misc. Features	Web UI for system configuration Firmware upgradable LED indicator Status with Power Recycle 1×USB3.0 2×USB2.0 1×RS232 + 1×RS485
Record Format	MP4 / TS / MOV
Power Supply	DC input : 12V / 2A Max power consumption: 16W Support POE input

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NDI 4K60 | NDI|HX Series

	Encoder+Decoder+Switch	Encoder+Decoder+Switch
	 SC6T0N4 12G-SDI	 SC6T0N4 HDMI2.0
CPU	11th Gen Intel® Core™ i7 1185G7E (2.8GHz)	11th Gen Intel® Core™ i7 1185G7E (2.8GHz)
Max. FPS	4096×2160p@60/50fps	4096×2160p@60/50fps
A/V Input Interfaces	Video 4×12G-SDI Audio 4×HDMI Embedded Digital Audio (LPCM) 1×3.5mm Line/MIC in	Video 4×HDMI2.0 Audio 4×HDMI Embedded Digital Audio (LPCM) 1×3.5mm Line/MIC in
A/V Output Interface	Video 2×HDMI2.0 (Multiview / PGM) Audio 2×HDMI Embedded Digital Audio (LPCM) 1×3.5mm Line out	Video 2×HDMI2.0 (Multiview / PGM) Audio 2×HDMI Embedded Digital Audio (LPCM) 1×3.5mm Line out
Video Feature	Support Input / Output Resolutions 4096×2160p@60/50fps 3840×2160p@60/50fps 4096×2160p@30/25/24fps 3840×2160p@30/25/24fps 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×576p@50fps 720×480i@60fps 720×576i@50fps	Support Input / Output Resolutions 4096×2160p@60/50fps 3840×2160p@60/50fps 4096×2160p@30/25/24fps 3840×2160p@30/25/24fps 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×576p@50fps 720×480i@60fps 720×576i@50fps
Video Encode	Support Resolutions 4096×2160p@60/50fps 3840×2160p@60/50fps 4096×2160p@30/25/24fps 3840×2160p@30/25/24fps 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×576p@50fps 720×480i@60fps 720×576i@50fps	Support Resolutions 4096×2160p@60/50fps 3840×2160p@60/50fps 4096×2160p@30/25/24fps 3840×2160p@30/25/24fps 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×576p@50fps 720×480i@60fps 720×576i@50fps
Audio Feature	Configurable bit Rate Range from 32Kbps to 384Kbps Sample Rate : 48KHz, 16bit, Stereo	Configurable bit Rate Range from 32Kbps to 384Kbps Sample Rate : 48KHz, 16bit, Stereo
Network Feature	2×RJ45 for 10/100/1000Mbps Ethernet DHCP Client **Wifi (Option) : **802.11b/g/n **802.11ac ** Optional by Customer Request	2×RJ45 for 10/100/1000Mbps Ethernet DHCP Client **Wifi (Option) : **802.11b/g/n **802.11ac ** Optional by Customer Request
5G Support	LTE Cat20 (Option) LTE FDD Supported LTE TDD Supported Sub-6 (Option) SA Supported Non-SA Supported ** Optional by Customer Request	LTE Cat20 (Option) LTE FDD Supported LTE TDD Supported Sub-6 (Option) SA Supported Non-SA Supported ** Optional by Customer Request
Support Streaming Protocol	Dante AV-H* NDI|HX* TS Over UDP RTSP Over HTTP/TCP/UDP RTMP HLS SRT *Optional by Customer Required need License	Dante AV-H* NDI|HX* TS Over UDP RTSP Over HTTP/TCP/UDP RTMP HLS SRT *Optional by Customer Required need License
Misc. Features	Firmware Upgradable LED Indicator 2×USB3.0 2×USB2.0 Bluetooth Supported (Option)	Firmware Upgradable LED Indicator 2×USB3.0 2×USB2.0 Bluetooth Supported (Option)
PGM Mode Switch	PGM Mode Switch Full Screen Quadview Picture by Picture Picture in Picture PGM Loop Full Screen Switch : Channel 1~Channel 4	PGM Mode Switch Full Screen Quadview Picture by Picture Picture in Picture PGM Loop Full Screen Switch : Channel 1 Channel 2 Channel 3 Channel 4
Support Record Device	External USB3.0 HDD Internal SATA 2.5" HDD *HDD Not Included at SC6T0	External USB3.0 HDD Internal SATA 2.5" HDD *HDD Not Included at SC6T0
SDK Support	YUAN QCAP Video Capture SDK	YUAN QCAP Video Capture SDK YUAN QDEEP AI Algorithm SDK Intel® Distribution of OpenVINO™ toolkit

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NDI 4K60 | NDI|HX Series

	Encoder + Decoder	Encoder+Decoder
	 SC6G0N1 HDMI2.0	 SC6D0N1 HDMI2.0+
Max. FPS	3840×2160p@60/50fps	3840×2160p@60/50fps
Recording Mode	Hardware Compression	Hardware Compression
Input Interfaces	Video 1×HDMI2.0 Audio 1×3.5mm stereo analog audio	Video 1×HDMI2.0 Audio 1×3.5mm stereo analog audio
Output Interface	Video 1×HDMI2.0 Audio 1×3.5mm stereo analog audio	Video 1×HDMI2.0 Audio 1×3.5mm stereo analog audio
Video Feature	H.265 (HEVC) /H.264/AVC, Baseline/Main/High Profile Configurable Bit Rate Up to 64Mbps Support input / output resolutions 3840×2160p@60/50fps 3840×2160p@30/25/24fps 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×576p@50fps 720×480i@60fps 720×576i@50fps	H.265(HEVC)/H.264/AVC, Baseline/Main/High Profile Configurable Bit Rate Up to 64Mbps Support input / output resolutions 3840×2160p@60/50fps 3840×2160p@30/25/24fps 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×576p@50fps 720×480i@60fps 720×576i@50fps
Audio Feature	AAC-LC Configurable bit rate range from 32Kbps to 384Kbps Sample rate : 48KHz, 16bit, Stereo	AAC-LC Configurable bit rate range from 32Kbps to 384Kbps Sample rate : 48KHz, 16bit, Stereo
Network Feature	1×RJ45 for 10/100/1000Mbps Ethernet DHCP client	1×RJ45 for 10/100/1000Mbps Ethernet DHCP client
Support Streaming protocol	Dante AV-H* NDI|HX* TS Over UDP RTSP Over HTTP/TCP/UDP RTMP HLS SRT *Optional by Customer Required need License	Dante AV-H* NDI|HX* TS Over UDP RTSP Over HTTP/TCP/UDP RTMP HLS SRT *Optional by Customer Required need License
Misc. Features	Web UI for system configuration Firmware upgradable LED indicator Status with Power Recycle 1×USB3.0 (For external storage usage) 2×USB2.0 (For Keyboard and mouse usage) 1×RS232 + 1×RS485	Web UI for system configuration Firmware upgradable LED indicator Status with Power Recycle 1×USB3.0 (For external storage usage) 2×USB2.0 (For Keyboard and mouse usage) 1×RS232 + 1×RS485
Record Format	MP4 / TS / MOV	MP4 / TS / MOV
Power Supply	DC input : 12V / 2A Support POE input	DC input : 12V / 2A Power consuming : 19.475W maximum Estimated Support POE input

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NDI 4K60 | NDI|HX Series

	Encoder	Decoder	Decoder
			
	SC6G0N1 HDMI2.0 to IP/UVC V2	SC6G0N1 IP to UVC/HDMI2.0	SC6G0N1 IP to UVC
Max. FPS	3840×2160p@60/50fps	3840×2160p@60/50fps	3840×2160p@60/50fps
Recording Mode	Hardware Compression	Hardware Compression	Hardware Compression
Input Interfaces	1×HDMI2.0	Video 1×RJ45	Video 1×RJ45
Output Interface	1×RJ45 1×USB3.0 Type B (UVC) output	Video 1×HDMI2.0 1×USB3.0 Type-C (UVC) output	Video 1×USB3.0 Type-B (UVC) output
Video Feature	H.265(HEVC)/H.264/AVC, Baseline/Main/High Profile Configurable Bit Rate Up to 64Mbps Support input / output resolutions 3840 × 2160p@60/50fps 3840 × 2160p@30/25/24fps 1920 × 1080p@60/50fps 1920 × 1080p@30/25/24fps 1280 × 720p@60/50fps 1280 × 1024p@60fps 1280 × 960p@60fps 1024 × 768p@60fps 800 × 600p@60fps 640 × 480p@60fps 720 × 480p@60fps 720 × 576p@50fps	H.265(HEVC)/H.264/AVC, Baseline/Main/High Profile Configurable Bit Rate Up to 64Mbps Support input / output resolutions 3840×2160p@60/50fps 3840×2160p@30/25/24fps 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×576p@50fps	H.265(HEVC)/H.264/AVC, Baseline/Main/High Profile Configurable Bit Rate Up to 64Mbps Support input / output resolutions 3840×2160p@60/50fps 3840×2160p@30/25/24fps 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×576p@50fps
Audio Feature	AAC-LC Configurable bit rate range from 32Kbps to 384Kbps Sample rate : 48KHz, 16bit	AAC-LC Configurable bit rate range from 32Kbps to 384Kbps Sample rate : 48KHz, 16bit, Stereo	AAC-LC Configurable bit rate range from 32Kbps to 384Kbps Sample rate : 48KHz, 16bit, Stereo
UVC Output	NV12 2160p30/25/24 YUY2/NV12 1080p60/50/30/25/24 720p60/50/30/24 640x480p30 320x240p30 MJPEG/H.264/H.265 2160p60/50 2160p30/25/24 1080p60/50/30/25/24 720p60/50/30/24 640x480p30 320x240p30	NV12 2160p30/25/24 YUY2/NV12 1080p60/50/30/25/24 720p60/50/30/24 640×480p30 320×240p30 MJPEG/H.264/H.265 2160p60/50 2160p30/25/24 1080p60/50/30/25/24 720p60/50/30/24 640×480p30 320×240p30	NV12 2160p30/25/24 YUY2/NV12 1080p60/50/30/25/24 720p60/50/30/24 640×480p30 320×240p30 MJPEG/H.264/H.265 2160p60/50 2160p30/25/24 1080p60/50/30/25/24 720p60/50/30/24 640×480p30 320×240p30
Network Feature	1×RJ45 for 10/100/1000Mbps Ethernet DHCP Client / Static IP	1×RJ45 for 10/100/1000Mbps Ethernet DHCP Client	1×RJ45 for 10/100/1000Mbps Ethernet DHCP Client
Support Streaming Protocol	Dante AV-H* NDI|HX* TS Over UDP RTSP Over HTTP/TCP/UDP RTMP HLS SRT *Optional by Customer Required need License	Dante AV-H* NDI|HX* TS Over UDP RTSP Over HTTP/TCP/UDP RTMP HLS SRT *Optional by Customer Required need License	Dante AV-H* NDI|HX* TS Over UDP RTSP Over HTTP/TCP/UDP RTMP HLS SRT *Optional by Customer Required need License
Misc. Features	HDMI Embedded Audio	UVC Supported Web UI for System Configuration Firmware Upgradable	UVC Supported Web UI for System Configuration Firmware Upgradable
Record Format	Stereo / 16bit / 48000Hz	MP4 / TS / MOV	N/A
Power Supply	DC input : 12V PoE (802.3af)	DC input : 12V PoE (802.3af)	USB Bus Power

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NDI 4K60 | NDI|HX Series

Decoder



SC6E0N1 IP/UVC to HDMI2.0 V2

Max. FPS	4096×2160p@60/50fps
Recording Mode	Hardware Compression, Real-Time Mode
Input Interfaces	Video 1×RJ45 (RTSP/RTMP/HLS/TS/SRT/NDI HX/Dante AV-H Support) 1×USB3.0 Type A (UVC) input
Output Interface	Video 1×HDMI2.0 1×SDI (Optional)
Video Feature	H.265/H.264/AVC, Baseline/Main/High Profile Supported HDMI output Resolutions 4096×2160p@60/50fps 4096×2160p@30/25/24fps 3840×2160p@60/50fps 3840×2160p@30/25/24fps 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×576p@50fps
Audio Feature	AAC-LC Configurable bit rate range from 32Kbps to 384Kbps Sample rate : 48KHz, 16bit
Network Feature	1×RJ45 for 10/100/1000Mbps Ethernet DHCP Client
Support Streaming Protocol	Dante AV-H* NDI|HX* TS Over UDP RTSP Over HTTP/TCP/UDP RTMP HLS SRT *Optional by Customer Required need License
Misc. Features	Web UI for System Configuration Firmware Upgradable
Power Supply	DC in Support POE input

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NDI 1080P | NDI|HX Series

	Encoder+Decoder+Switch	Encoder+Decoder+Switch
	 SC6D0N4 SDI	 SC6D0N4 HDMI
Max. FPS	1920×1080p@300fps (4 SDI + 1 PGM Channels)	1920×1080p@300fps (4 HDMI + 1 PGM Channels)
Recording Mode	Hardware Compression	Hardware Compression
Input Interfaces	Video 4×SDI Audio 4×3.5mm	Video 4×HDMI Audio 4×3.5mm
Output Interface	Video 1×HDMI (Multiview / PGM) 1×SDI (PGM) Audio 1×3.5mm	Video 1×HDMI (Multiview / PGM) 1×HDMI (PGM) Audio 1×3.5mm
Video Feature	H.264/AVC, Baseline/Main/High Profile Configurable Bit Rate Up to 64Mbps Support input resolutions 1920×1080 (P60/P50/P30/P25/P24/i60/i50) 1280×720 (P60/P50) Support output resolutions Resize Range from 160×120 to 1920×1080 (P60)	H.264/AVC, Baseline/Main/High Profile Configurable Bit Rate Up to 64Mbps Support input resolutions 1920×1080 (P60/P50/P30/P25/P24/i60/i50) 1280×720 (P60/P50), 1280×1024 (P60), 1280×960 (P60) 1024×768 (P60), 800×600 (P60), 720×480 (P60/i60) 640×480 (P60), 720×576 (P50/i50) Support output resolutions Resize Range from 160×120 to 1920×1080 (P60)
Audio Feature	AAC-LC Configurable bit rate range from 32Kbps to 384Kbps Sample rate : 48KHz, 16bit	AAC-LC Configurable bit rate range from 32Kbps to 384Kbps Sample rate : 48KHz, 16bit
Network Feature	1×RJ45 for 10/100/1000Mbps Ethernet Expandable internet interface on board DHCP client	1×RJ45 for 10/100/1000Mbps Ethernet Expandable internet interface on board DHCP client
Support Streaming protocol	Dante AV-H* NDI|HX* TS Over UDP RTSP Over HTTP/TCP/UDP RTMP HLS SRT *Optional by Customer Required need License	Dante AV-H* NDI|HX* TS Over UDP RTSP Over HTTP/TCP/UDP RTMP HLS SRT *Optional by Customer Required need License
Misc. Features	512MB Flash 2GB Memory Web UI for system configuration Firmware upgradable LED indicator Status with Power Recycle 2×USB2.0 (For Keyboard and mouse usage) 1×USB3.0 (For external storage usage) 1×RS232 + 1×RS485/RS232 Main function switch Record Snapshot Stream PGM mode switch Full screen Quadview Picture by picture Picture in picture PGM Loop Full screen switch Channel 1~Channel 4	Web UI for system configuration Firmware upgradable LED indicator Status with Power Recycle 2×USB2.0 (For Keyboard and mouse usage) 1×USB3.0 (For external storage usage) 1×RS232 + 1×RS485/RS232 Main function switch Record Snapshot Stream PGM mode switch Full screen Quadview Picture by picture Picture in picture PGM Loop Full screen switch Channel 1~Channel 4
Record Format	MP4 / TS / MOV	MP4 / TS / MOV
Power Supply	DC input : 12V / 2A Power consuming : 19.475W maximum Estimated	DC input : 12V / 2A Power consuming : 19.475W maximum Estimated

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NDI 1080P | NDI|HX Series

	Encoder+Decoder	Encoder+Decoder
	 SC6E0N1 AIO	 SC6D0N1 AIO
Max. FPS	1920×1080p@60/50fps	1920×1080p@60/50fps
Recording Mode	Hardware Compression, Real-Time Mode	Hardware Compression, Real-Time Mode
Input Interfaces	Video 1×BNC for 3G/HD/SD-SDI 3×BNC for YPbPr/CVBS/S-Video 1×DVI-I for DVI-D/HDMI and DVI-A/VGA 1×HDMI Audio 2×RCA for Analog L/R Audio SDI/HDMI/DVI-D Embedded Audio 1×3.5 mm Phone Jack	Video 1×BNC for 3G/HD/SD-SDI 3×BNC for YPbPr 1×DVI-I for DVI-D/HDMI and DVI-A/VGA 1×HDMI Audio 1×RCA for Analog L/R Audio SDI/HDMI/DVI-D Embedded Audio 1×3.5 mm Phone Jack
Output Interface	Video 1×HDMI	Video 1×HDMI
Video Feature	H.265/H.264/AVC, Baseline/Main/High Profile Support input / output resolutions 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×576p@50fps 720×480i@60fps 720×576i@50fps	H.264/H.265/AVC, Baseline/Main/High Profile Configurable Bit Rate Up to 64Mbps (for each stream) Supported Resolutions Input 1920×1080 (P60/P50/P30/P25/P24/i60/i50) 1280×720 (P60/P50), 1280×1024 (P60), 1280×960 (P60) 1024×768 (P60), 800×600 (P60), 720×480 (P60/i60) 640×480 (P60), 720×576 (P50/i50) Output Resize Range from 320×240 to 3840×2160 (P30) *Output Include Down Scaling
Audio Feature	Input Audio Stream : AAC	AAC-LC Configurable Bit Rate Range from 32Kbps to 384Kbps Sample Rate : 48KHz, 16Bit
Network Feature	1×RJ45 for 10/100/1000Mbps Ethernet DHCP Client	1×RJ45 for 10/100/1000Mbps Ethernet DHCP Client
Support Streaming protocol	Dante AV-H* NDI|HX* TS Over UDP RTSP Over HTTP/TCP/UDP RTMP HLS SRT *Optional by Customer Required need License	Dante AV-H* NDI|HX* TS Over UDP RTSP Over HTTP/TCP/UDP RTMP HLS SRT *Optional by Customer Required need License
Misc. Features	RS485 1×USB 3.0 Host for USB Storage 2×USB 2.0 (For Keyboard and mouse usage) Web UI for System Configuration Firmware Upgradable LED Indicator	Dynamic Parameter Setting RS485 1×USB 3.0 Host for USB Storage Web UI for System Configuration Firmware Upgradable LED Indicator PGM mode switch Full screen Picture by picture (Selectable CH1: SDI, CH2: YPbPr/DVI-I/HDMI) Picture in picture (Selectable CH1: SDI, CH2: YPbPr/DVI-I/HDMI)
Power Supply	DC input : 12V / 2A	DC input : 12V / 2A

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NDI 1080P | NDI|HX Series

	Encoder+Decoder	Encoder
	 SC6E0N1 AIO Lite	 SC6E0N1 HDMI to IP/UVC V2
Max. FPS	1920×1080p@60/50fps	1920×1080p@60/50fps
Recording Mode	Hardware Compression, Real-Time Mode	Hardware Compression, Real-Time Mode
Input Interfaces	Video 1×HDMI 1×SDI Audio 1×3.5 mm Phone Jack	Video 1×HDMI
Output Interface	Video 1×HDMI 2.0 (PGM) 1×HDMI (Loop through) 1×SDI (Loop through) Audio 1×3.5 mm Phone Jack	Video 1×RJ45 (RTSP/RTMP/HLS/TS/SRT/NDI HX/Dante AV-H Support) 1×USB3.0 Type B (UVC) output
Video Feature	H.265/H.264/AVC, Baseline/Main/High Profile Support input / output resolutions 3840×2160p@60/50fps (Output only) 3840×2160p@30/25/24fps (Output only) 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60f ps 720×576p@50fps 720×480i@60fps 720×576i@50fps	H.265/H.264/AVC, Baseline/Main/High Profile Supported HDMI input Resolutions 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×576p@50fps
Audio Feature	Input Audio S tream: AAC	AAC-LC Configurable bit rate range from 32Kbps to 384Kbps Sample rate : 48KHz, 16bit
Network Feature	1×RJ45 for 10/100/1000Mbps Ethernet DHCP Client	1×RJ45 for 10/100/1000Mbps Ethernet DHCP Client
Support Streaming protocol	Dante AV-H* NDI|HX* TS Over UDP RTSP Over HTTP/TCP/UDP RTMP HLS SRT *Optional by Customer Required need License	Dante AV-H* NDI|HX* TS Over UDP RTSP Over HTTP/TCP/UDP RTMP HLS SRT *Optional by Customer Required need License
Misc. Features	1×USB 3.0 Host for USB Storage 2×USB 2.0 (For Keyboard and mouse usage) Web UI for System Configuration Firmware Upgradable LED Indicator	Web UI for System Configuration Firmware Upgradable
Power Supply	DC input : 12V / 2A	DC input : 12V / 2A Support POE input

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Pure Stream Encoder

100M H.26X Streaming Platform



- H264/265 Encode and Decode
- Under 100ms Latency
- NDI/RTSP/RTMP/HLS/TS over IP

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H.26X Series

100M H.26X Streaming Platform



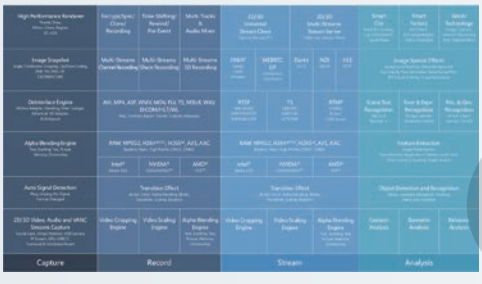
Multi Input Interface

In a variety of applications, preferences for input interfaces may vary, and YUAN's solutions support a wide range of interfaces, from 4K to SD, including HDMI, DP, SDI, DVI, VGA, YPbPr, Composite, S-Video. From 4K to SD, covering HDMI, DP, SDI, DVI, VGA, YPbPr, Composite, S-Video, we are committed to assisting our customers in finding the most suitable solution for their specific application.



Complete Product Lines

YUAN has always been committed to making it easy for users to set up AV over IP systems, and has therefore launched a number of products that combine Tx and Rx. For example, SC6F0 and SC6F0 series products have both SDI and HDMI signal outputs, and also support encoding and decoding, which help you to set up the most suitable solution in the easiest way. On the other hand, we also provide a streaming solution for X86 platform that can be freely paired with PCIe video capture cards, which opens up more possibilities and application scenarios for users.



SDK Support

YUAN has a rich product lines to cover numerous solutions including H.26X, users can pick suitable solutions from 100M to 1G base on their case. The wide range products indeed provide the flexibility in application design.



Web UI

Instead of connecting key board & mouse to YUAN's device or control through RS232/485, our solution provides web based UI to control the whole system. Protocols or even layouts can be manipulated through user friendly UI in instinct !



Various Bit Rate & Stream Protocol Support

YUAN's codecs support multiple bandwidths and streaming protocols, which can be quickly applied to various fields and devices. For example, HLS which is mostly used in Apple devices, and RTMP/RTSP, which is commonly used in YouTube live streaming, can be adjusted in real-time through the Web UI interface.

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H.26X 4K60 | Transceiver Series

	Encoder+Decoder+Switch	Encoder+Decoder+Switch
	 SC6T0N4 12G-SDI	 SC6T0N4 HDMI2.0
CPU	11th Gen Intel® Core™ i7 1185G7E (2.8GHz)	11th Gen Intel® Core™ i7 1185G7E (2.8GHz)
Max. FPS	4096×2160p@60/50fps	4096×2160p@60/50fps
A/V Input Interfaces	Video 4×12G-SDI Audio 4×HDMI Embedded Digital Audio (LPCM) 1×3.5mm Line/MIC in	Video 4×HDMI2.0 Audio 4×HDMI Embedded Digital Audio (LPCM) 1×3.5mm Line/MIC in
A/V Output Interface	Video 2×HDMI2.0 (Multiview / PGM) Audio 2×HDMI Embedded Digital Audio (LPCM) 1×3.5mm Line out	Video 2×HDMI2.0 (Multiview / PGM) Audio 2×HDMI Embedded Digital Audio (LPCM) 1×3.5mm Line out
Video Feature	Support Input / Output Resolutions 4096×2160p@60/50fps 3840×2160p@60/50fps 4096×2160p@30/25/24fps 3840×2160p@30/25/24fps 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×576p@50fps 720×480i@60fps 720×576i@50fps	Support Input / Output Resolutions 4096×2160p@60/50fps 3840×2160p@60/50fps 4096×2160p@30/25/24fps 3840×2160p@30/25/24fps 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×576p@50fps 720×480i@60fps 720×576i@50fps
Video Encode	Support Resolutions 4096×2160p@60/50fps 3840×2160p@60/50fps 4096×2160p@30/25/24fps 3840×2160p@30/25/24fps 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×576p@50fps 720×480i@60fps 720×576i@50fps	Support Resolutions 4096×2160p@60/50fps 3840×2160p@60/50fps 4096×2160p@30/25/24fps 3840×2160p@30/25/24fps 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×576p@50fps 720×480i@60fps 720×576i@50fps
Audio Feature	Configurable bit Rate Range from 32Kbps to 384Kbps Sample Rate : 48KHz, 16bit, Stereo	Configurable bit Rate Range from 32Kbps to 384Kbps Sample Rate : 48KHz, 16bit, Stereo
Network Feature	2×RJ45 for 10/100/1000Mbps Ethernet DHCP Client **Wifi (Option) : **802.11b/g/n **802.11ac ** Optional by Customer Request	2×RJ45 for 10/100/1000Mbps Ethernet DHCP Client **Wifi (Option) : **802.11b/g/n **802.11ac ** Optional by Customer Request
5G Support	LTE Cat20 (Option) LTE FDD Supported LTE TDD Supported Sub-6 (Option) SA Supported Non-SA Supported ** Optional by Customer Request	LTE Cat20 (Option) LTE FDD Supported LTE TDD Supported Sub-6 (Option) SA Supported Non-SA Supported ** Optional by Customer Request
Support Streaming Protocol	Dante AV-H* NDI|HX* TS Over UDP RTSP Over HTTP/TCP/UDP RTMP HLS SRT *Optional by Customer Required need License	Dante AV-H* NDI|HX* TS Over UDP RTSP Over HTTP/TCP/UDP RTMP HLS SRT *Optional by Customer Required need License
Misc. Features	Firmware Upgradable LED Indicator 2×USB3.0 2×USB2.0 Bluetooth Supported (Option)	Firmware Upgradable LED Indicator 2×USB3.0 2×USB2.0 Bluetooth Supported (Option)
PGM Mode Switch	PGM Mode Switch Full Screen Quadview Picture by Picture Picture in Picture PGM Loop Full Screen Switch : Channel 1~Channel 4	PGM Mode Switch Full Screen Quadview Picture by Picture Picture in Picture PGM Loop Full Screen Switch : Channel 1 Channel 2 Channel 3 Channel 4
Support Record Device	External USB3.0 HDD Internal SATA 2.5" HDD *HDD Not Included at SC6T0	External USB3.0 HDD Internal SATA 2.5" HDD *HDD Not Included at SC6T0
SDK Support	YUAN QCAP Video Capture SDK	YUAN QCAP Video Capture SDK YUAN QDEEP AI Algorithm SDK Intel® Distribution of OpenVINO™ toolkit

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H.26X 4K60 | Transceiver Series

Encoder + Decoder



SC6F0N1 HDMI2.0

Max. FPS	4096×2160p@60/50fps
Recording Mode	Hardware Compression
Input Interfaces	Video 1×HDMI2.0 Audio 1×3.5mm stereo analog audio
Output Interface	Video 1×HDMI2.0 Audio 1×3.5mm stereo analog audio
Video Feature	H.265/H.264 Hardware Compression Support resolutions 4096×2160p@60/50fps 4096×2160p@30/25/24fps 3840×2160p@60/50fps 3840×2160p@30/25/24fps 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1280×720p@60/50fps 1280×720p@30/25/24fps
Audio Feature	AAC-LC Configurable bit rate range from 32Kbps to 384Kbps Sample rate : 48KHz, 16bit, Stereo
Network Feature	1×RJ45 for 10/100/1000Mbps Ethernet Wifi : 802.11b/g/n for Option
Support Streaming Protocol	Dante AV Ultra, Dante AV-H* Full NDI, NDI|HX* TS Over UDP RTSP Over HTTP/TCP/UDP RTMP HLS SRT *Optional by Customer Required need License
Misc. Features	Web UI for system configuration Firmware upgradable LED indicator Status with Power Recycle 1×USB3.0 2×USB2.0 1×RS232 + 1×RS485
Record Format	MP4 / TS / MOV
Power Supply	DC input : 12V / 2A Max power consumption: 16W Support POE input

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H.26X 4K60 | Transceiver Series

	Encoder + Decoder	Encoder+Decoder
	 SC6G0N1 HDMI2.0	 SC6D0N1 HDMI2.0+
Max. FPS	3840×2160p@60/50fps	3840×2160p@60/50fps
Recording Mode	Hardware Compression	Hardware Compression
Input Interfaces	Video 1×HDMI2.0 Audio 1×3.5mm stereo analog audio	Video 1×HDMI2.0 Audio 1×3.5mm stereo analog audio
Output Interface	Video 1×HDMI2.0 Audio 1×3.5mm stereo analog audio	Video 1×HDMI2.0 Audio 1×3.5mm stereo analog audio
Video Feature	H.265 (HEVC) /H.264/AVC, Baseline/Main/High Profile Configurable Bit Rate Up to 64Mbps Support input / output resolutions 3840×2160p@60/50fps 3840×2160p@30/25/24fps 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×576p@50fps 720×480i@60fps 720×576i@50fps	H.265(HEVC)/H.264/AVC, Baseline/Main/High Profile Configurable Bit Rate Up to 64Mbps Support input / output resolutions 3840×2160p@60/50fps 3840×2160p@30/25/24fps 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×576p@50fps 720×480i@60fps 720×576i@50fps
Audio Feature	AAC-LC Configurable bit rate range from 32Kbps to 384Kbps Sample rate : 48KHz, 16bit, Stereo	AAC-LC Configurable bit rate range from 32Kbps to 384Kbps Sample rate : 48KHz, 16bit, Stereo
Network Feature	1×RJ45 for 10/100/1000Mbps Ethernet DHCP client	1×RJ45 for 10/100/1000Mbps Ethernet DHCP client
Support Streaming protocol	Dante AV-H* NDI|HX* TS Over UDP RTSP Over HTTP/TCP/UDP RTMP HLS SRT *Optional by Customer Required need License	Dante AV-H* NDI|HX* TS Over UDP RTSP Over HTTP/TCP/UDP RTMP HLS SRT *Optional by Customer Required need License
Misc. Features	Web UI for system configuration Firmware upgradable LED indicator Status with Power Recycle 1×USB3.0 (For external storage usage) 2×USB2.0 (For Keyboard and mouse usage) 1×RS232 + 1×RS485	Web UI for system configuration Firmware upgradable LED indicator Status with Power Recycle 1×USB3.0 (For external storage usage) 2×USB2.0 (For Keyboard and mouse usage) 1×RS232 + 1×RS485
Record Format	MP4 / TS / MOV	MP4 / TS / MOV
Power Supply	DC input : 12V / 2A Support POE input	DC input : 12V / 2A Power consuming : 19.475W maximum Estimated Support POE input

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H.26X 4K60 | Transceiver Series

	Encoder	Decoder	Decoder
	 SC6G0N1 HDMI2.0 to IP/UVC V2	 SC6G0N1 IP to UVC/HDMI2.0	 SC6G0N1 IP to UVC
Max. FPS	3840×2160p@60/50fps	3840×2160p@60/50fps	3840×2160p@60/50fps
Recording Mode	Hardware Compression	Hardware Compression	Hardware Compression
Input Interfaces	1×HDMI2.0	Video 1×RJ45	Video 1×RJ45
Output Interface	1×RJ45 1×USB3.0 Type B (UVC) output	Video 1×HDMI2.0 1×USB3.0 Type-C (UVC) output	Video 1×USB3.0 Type-B (UVC) output
Video Feature	H.265(HEVC)/H.264/AVC, Baseline/Main/High Profile Configurable Bit Rate Up to 64Mbps Support input / output resolutions 3840 × 2160p@60/50fps 3840 × 2160p@30/25/24fps 1920 × 1080p@60/50fps 1920 × 1080p@30/25/24fps 1280 × 720p@60/50fps 1280 × 1024p@60fps 1280 × 960p@60fps 1024 × 768p@60fps 800 × 600p@60fps 640 × 480p@60fps 720 × 480p@60fps 720 × 576p@50fps	H.265(HEVC)/H.264/AVC, Baseline/Main/High Profile Configurable Bit Rate Up to 64Mbps Support input / output resolutions 3840×2160p@60/50fps 3840×2160p@30/25/24fps 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×576p@50fps	H.265(HEVC)/H.264/AVC, Baseline/Main/High Profile Configurable Bit Rate Up to 64Mbps Support input / output resolutions 3840×2160p@60/50fps 3840×2160p@30/25/24fps 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×576p@50fps
Audio Feature	AAC-LC Configurable bit rate range from 32Kbps to 384Kbps Sample rate : 48KHz, 16bit	AAC-LC Configurable bit rate range from 32Kbps to 384Kbps Sample rate : 48KHz, 16bit, Stereo	AAC-LC Configurable bit rate range from 32Kbps to 384Kbps Sample rate : 48KHz, 16bit, Stereo
UVC Output	NV12 2160p30/25/24 YUY2/NV12 1080p60/50/30/25/24 720p60/50/30/24 640x480p30 320x240p30 MJPEG/H.264/H.265 2160p60/50 2160p30/25/24 1080p60/50/30/25/24 720p60/50/30/24 640x480p30 320x240p30	NV12 2160p30/25/24 YUY2/NV12 1080p60/50/30/25/24 720p60/50/30/24 640×480p30 320×240p30 MJPEG/H.264/H.265 2160p60/50 2160p30/25/24 1080p60/50/30/25/24 720p60/50/30/24 640×480p30 320×240p30	NV12 2160p30/25/24 YUY2/NV12 1080p60/50/30/25/24 720p60/50/30/24 640×480p30 320×240p30 MJPEG/H.264/H.265 2160p60/50 2160p30/25/24 1080p60/50/30/25/24 720p60/50/30/24 640×480p30 320×240p30
Network Feature	1×RJ45 for 10/100/1000Mbps Ethernet DHCP Client / Static IP	1×RJ45 for 10/100/1000Mbps Ethernet DHCP Client	1×RJ45 for 10/100/1000Mbps Ethernet DHCP Client
Support Streaming Protocol	Dante AV-H* NDI|HX* TS Over UDP RTSP Over HTTP/TCP/UDP RTMP HLS SRT *Optional by Customer Required need License	Dante AV-H* NDI|HX* TS Over UDP RTSP Over HTTP/TCP/UDP RTMP HLS SRT *Optional by Customer Required need License	Dante AV-H* NDI|HX* TS Over UDP RTSP Over HTTP/TCP/UDP RTMP HLS SRT *Optional by Customer Required need License
Misc. Features	HDMI Embedded Audio	UVC Supported Web UI for System Configuration Firmware Upgradable	UVC Supported Web UI for System Configuration Firmware Upgradable
Record Format	Stereo / 16bit / 48000Hz	MP4 / TS / MOV	N/A
Power Supply	DC input : 12V PoE (802.3af)	DC input : 12V PoE (802.3af)	USB Bus Power

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H.26X 4K60 | Transceiver Series

Decoder



SC6E0N1 IP/UVC to HDMI2.0 V2

Max. FPS	4096×2160p@60/50fps
Recording Mode	Hardware Compression, Real-Time Mode
Input Interfaces	Video 1×RJ45 (RTSP/RTMP/HLS/TS/SRT/NDI HX/Dante AV-H Support) 1×USB3.0 Type A (UVC) input
Output Interface	Video 1×HDMI2.0 1×SDI (Optional)
Video Feature	H.265/H.264/AVC, Baseline/Main/High Profile Supported HDMI output Resolutions 4096×2160p@60/50fps 4096×2160p@30/25/24fps 3840×2160p@60/50fps 3840×2160p@30/25/24fps 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×576p@50fps
Audio Feature	AAC-LC Configurable bit rate range from 32Kbps to 384Kbps Sample rate : 48KHz, 16bit
Network Feature	1×RJ45 for 10/100/1000Mbps Ethernet DHCP Client
Support Streaming Protocol	Dante AV-H* NDI|HX* TS Over UDP RTSP Over HTTP/TCP/UDP RTMP HLS SRT *Optional by Customer Required need License
Misc. Features	Web UI for System Configuration Firmware Upgradable
Power Supply	DC in Support POE input

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H.26X 1080P | Transceiver Series

	Encoder+Decoder+Switch	Encoder+Decoder+Switch
	 SC6D0N4 SDI	 SC6D0N4 HDMI
Max. FPS	1920×1080p@300fps (4 SDI + 1 PGM Channels)	1920×1080p@300fps (4 HDMI + 1 PGM Channels)
Recording Mode	Hardware Compression	Hardware Compression
Input Interfaces	Video 4×SDI Audio 4×3.5mm	Video 4×HDMI Audio 4×3.5mm
Output Interface	Video 1×HDMI (Multiview / PGM) 1×SDI (PGM) Audio 1×3.5mm	Video 1×HDMI (Multiview / PGM) 1×HDMI (PGM) Audio 1×3.5mm
Video Feature	H.264/AVC, Baseline/Main/High Profile Configurable Bit Rate Up to 64Mbps Support input resolutions 1920×1080 (P60/P50/P30/P25/P24/i60/i50) 1280×720 (P60/P50) Support output resolutions Resize Range from 160×120 to 1920×1080 (P60)	H.264/AVC, Baseline/Main/High Profile Configurable Bit Rate Up to 64Mbps Support input resolutions 1920×1080 (P60/P50/P30/P25/P24/i60/i50) 1280×720 (P60/P50), 1280×1024 (P60), 1280×960 (P60) 1024×768 (P60), 800×600 (P60), 720×480 (P60/i60) 640×480 (P60), 720×576 (P50/i50) Support output resolutions Resize Range from 160×120 to 1920×1080 (P60)
Audio Feature	AAC-LC Configurable bit rate range from 32Kbps to 384Kbps Sample rate : 48KHz, 16bit	AAC-LC Configurable bit rate range from 32Kbps to 384Kbps Sample rate : 48KHz, 16bit
Network Feature	1×RJ45 for 10/100/1000Mbps Ethernet Expandable internet interface on board DHCP client	1×RJ45 for 10/100/1000Mbps Ethernet Expandable internet interface on board DHCP client
Support Streaming protocol	Dante AV-H* NDI|HX* TS Over UDP RTSP Over HTTP/TCP/UDP RTMP HLS SRT *Optional by Customer Required need License	Dante AV-H* NDI|HX* TS Over UDP RTSP Over HTTP/TCP/UDP RTMP HLS SRT *Optional by Customer Required need License
Misc. Features	512MB Flash 2GB Memory Web UI for system configuration Firmware upgradable LED indicator Status with Power Recycle 2×USB2.0 (For Keyboard and mouse usage) 1×USB3.0 (For external storage usage) 1×RS232 + 1×RS485/RS232 Main function switch Record Snapshot Stream PGM mode switch Full screen Quadview Picture by picture Picture in picture PGM Loop Full screen switch Channel 1~Channel 4	Web UI for system configuration Firmware upgradable LED indicator Status with Power Recycle 2×USB2.0 (For Keyboard and mouse usage) 1×USB3.0 (For external storage usage) 1×RS232 + 1×RS485/RS232 Main function switch Record Snapshot Stream PGM mode switch Full screen Quadview Picture by picture Picture in picture PGM Loop Full screen switch Channel 1~Channel 4
Record Format	MP4 / TS / MOV	MP4 / TS / MOV
Power Supply	DC input : 12V / 2A Power consuming : 19.475W maximum Estimated	DC input : 12V / 2A Power consuming : 19.475W maximum Estimated

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H.26X 1080P | Transceiver Series

	Encoder+Decoder	Encoder+Decoder
	 SC6E0N1 AIO	 SC6D0N1 AIO
Max. FPS	1920×1080p@60/50fps	1920×1080p@60/50fps
Recording Mode	Hardware Compression, Real-Time Mode	Hardware Compression, Real-Time Mode
Input Interfaces	Video 1×BNC for 3G/HD/SD-SDI 3×BNC for YPbPr/CVBS/S-Video 1×DVI-I for DVI-D/HDMI and DVI-A/VGA 1×HDMI Audio 2×RCA for Analog L/R Audio SDI/HDMI/DVI-D Embedded Audio 1×3.5 mm Phone Jack	Video 1×BNC for 3G/HD/SD-SDI 3×BNC for YPbPr 1×DVI-I for DVI-D/HDMI and DVI-A/VGA 1×HDMI Audio 1×RCA for Analog L/R Audio SDI/HDMI/DVI-D Embedded Audio 1×3.5 mm Phone Jack
Output Interface	Video 1×HDMI	Video 1×HDMI
Video Feature	H.265/H.264/AVC, Baseline/Main/High Profile Support input / output resolutions 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×576p@50fps 720×480i@60fps 720×576i@50fps	H.264/H.265/AVC, Baseline/Main/High Profile Configurable Bit Rate Up to 64Mbps (for each stream) Supported Resolutions Input 1920×1080 (P60/P50/P30/P25/P24/i60/i50) 1280×720 (P60/P50), 1280×1024 (P60), 1280×960 (P60) 1024×768 (P60), 800×600 (P60), 720×480 (P60/i60) 640×480 (P60), 720×576 (P50/i50) Output Resize Range from 320×240 to 3840×2160 (P30) *Output Include Down Scaling
Audio Feature	Input Audio Stream : AAC	AAC-LC Configurable Bit Rate Range from 32Kbps to 384Kbps Sample Rate : 48KHz, 16Bit
Network Feature	1×RJ45 for 10/100/1000Mbps Ethernet DHCP Client	1×RJ45 for 10/100/1000Mbps Ethernet DHCP Client
Support Streaming protocol	Dante AV-H* NDI|HX* TS Over UDP RTSP Over HTTP/TCP/UDP RTMP HLS SRT *Optional by Customer Required need License	Dante AV-H* NDI|HX* TS Over UDP RTSP Over HTTP/TCP/UDP RTMP HLS SRT *Optional by Customer Required need License
Misc. Features	RS485 1×USB 3.0 Host for USB Storage 2×USB 2.0 (For Keyboard and mouse usage) Web UI for System Configuration Firmware Upgradable LED Indicator	Dynamic Parameter Setting RS485 1×USB 3.0 Host for USB Storage Web UI for System Configuration Firmware Upgradable LED Indicator PGM mode switch Full screen Picture by picture (Selectable CH1: SDI, CH2: YPbPr/DVI-I/HDMI) Picture in picture (Selectable CH1: SDI, CH2: YPbPr/DVI-I/HDMI)
Power Supply	DC input : 12V / 2A	DC input : 12V / 2A

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H.26X 1080P | Transceiver Series

Encoder+Decoder	Encoder
 SC6E0N1 AIO Lite	 SC6E0N1 HDMI to IP/UVC V2

Max. FPS	1920×1080p@60/50fps	1920×1080p@60/50fps
Recording Mode	Hardware Compression, Real-Time Mode	Hardware Compression, Real-Time Mode
Input Interfaces	Video 1×HDMI 1×SDI Audio 1×3.5 mm Phone Jack	Video 1×HDMI
Output Interface	Video 1×HDMI 2.0 (PGM) 1×HDMI (Loop through) 1×SDI (Loop through) Audio 1×3.5 mm Phone Jack	Video 1×RJ45 (RTSP/RTMP/HLS/TS/SRT/NDI HX/Dante AV-H Support) 1×USB3.0 Type B (UVC) output
Video Feature	H.265/H.264/AVC, Baseline/Main/High Profile Support input / output resolutions 3840×2160p@60/50fps (Output only) 3840×2160p@30/25/24fps (Output only) 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60f ps 720×576p@50fps 720×480i@60fps 720×576i@50fps	H.265/H.264/AVC, Baseline/Main/High Profile Supported HDMI input Resolutions 1920×1080p@60/50fps 1920×1080p@30/25/24fps 1920×1080i@60/50fps 1280×720p@60/50fps 1280×1024p@60fps 1280×960p@60fps 1024×768p@60fps 800×600p@60fps 640×480p@60fps 720×480p@60fps 720×576p@50fps
Audio Feature	Input Audio S tream: AAC	AAC-LC Configurable bit rate range from 32Kbps to 384Kbps Sample rate : 48KHz, 16bit
Network Feature	1×RJ45 for 10/100/1000Mbps Ethernet DHCP Client	1×RJ45 for 10/100/1000Mbps Ethernet DHCP Client
Support Streaming protocol	Dante AV-H* NDI|HX* TS Over UDP RTSP Over HTTP/TCP/UDP RTMP HLS SRT *Optional by Customer Required need License	Dante AV-H* NDI|HX* TS Over UDP RTSP Over HTTP/TCP/UDP RTMP HLS SRT *Optional by Customer Required need License
Misc. Features	1×USB 3.0 Host for USB Storage 2×USB 2.0 (For Keyboard and mouse usage) Web UI for System Configuration Firmware Upgradable LED Indicator	Web UI for System Configuration Firmware Upgradable
Power Supply	DC input : 12V / 2A	DC input : 12V / 2A Support POE input

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