

FRONTNICHE

12G - 6G - 3G

Ultra Enigma 6-Channel 4K UHD Decoder



Overview:

- High performance H.264/H.265 decoder
- Decode up to 6 x 4K UHD channels simultaneously
- Outputs 6 x Display Port
- Low Cost

Application:

- 4k UHD Video Distribution
- MPEG monitoring using any standard broadcast video monitor
- H.264/H.265 Multi-viewer

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Description

The Ultra Enigma 6-channel 4K UHD H.264/H.265 decoder provides a versatile method of decoding multiple channel of MPEG video contained within an Ethernet based IP stream.

The Video Ethernet interface is compatible with 100/1000 Base-T Ethernet.

Up to 6 x channels of 4:2:0 or 4:2:2 50/60Hz video can be decoded simultaneously.

An integrated display for control, monitoring and diagnostics is provided enabling internal parameters to be monitored and a control Ethernet interface allows remote control via an in-built web interface.

The Decoder is supplied with the latest Windows 10 Pro operating system installed and configured. Interfaces including DirectX and OpenGL will allow user applications to leverage hardware acceleration technology found within the decoders latest generation i7 desktop processor. Combined Intel Quick Sync and NVIDIA Pascal hardware support for H265, H264, MPEG2, MJPEG, VC-1 and VC8 video acceleration.

Additional features include monitor hot plug emulation and active hardware re-drivers on all outputs, capable of driving 20m Display Port.

Specification

Platform	Custom embedded motherboard
Processor	7th Generation Intel Core i7-7700T
Graphics	Intel Iris 630 Plus NVIDIA Pascal P3000
Display	6 x 3840x2160p at 50/ 60 Hz Display Port 1.2
Memory	2 x 4GB Dual DDR4, upgrade options available (Up to 32GB, 2133MHz, 1.2V)
Storage	Supports 2 x 2.5" SSD for RAID configuration
Connectivity	2 x USB 3.0 Ports 2 x USB 2.0 Ports 2 x Gigabit Ethernet NIC Ports 1 x PCIe Slot (x4, Gen 3.0, half height)
Software	Windows 10 Pro - 64 Bit – optional Frontniche multimedia scripting interface
Power Supply	250W Internal FlexATX (110V - 240V)
Operating Conditions	0 to 35 °C (32 to 95 °F) - 5% to 90% non-condensing
Storage Conditions	-20 to 70 °C (-4 to 158 °F)
Dimensions	2U Perforated Case: 88 (H) x 482 (W) x 220 (D) mm
Weight	10 - 15 Kg (Shipped 15 - 20 Kg)
Compliance	FCC / CE / UL / RoHS
Warranty	2 Years

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