IOC-HAPI Key Features

- Near-zero latency from in to out (<1ms)
- AC or DC power supply options
- Browser-based remote access using any web enabled device
- RAVENNA / AES67 Compatible
- Signal routing from any input to any combination of outputs
- Works from 44.1kHz to 192kHz (Premium up to DXD/DSD256)

IOC-HAPI Specifications

- Case Material: Powder Coated Steel
- Front Panel Material: Brushed Aluminum
- Dimensions (1U rack mounting): 483 x 120 x 44 mm
- Voltage (AC): 90V–260V, 47–63 Hz
- Voltage (DC): 10–14V
- Power Consumption (Max): < 30 Watts
- Front Panel TUV/IEC resolution: CELED (160x128 pix)

Headphone Monitor Jacks

- Max output Level (Unbalanced) Load = 300 Ohms: +14.3 dBu
- Output Impedance: 75 Ω
- Dynamic Range (A-weighted, typ.): 110 dB
- THD+N (1 kHz): +2 dBFS
- Gain Range (software controlled): -60 dB to +12 dB
- Gain Step/Precision: 1dB / ±0.05 dB

Connectors

- "Sync" Cable: BNC, D-Sub
- LTC In & Out: via "Sync" Cable
- Balanced XLR
- Video Reference In: via "Sync" Cable
- BNC
- MTC (In/Out via "Sync" Cable): 5-Pin DIN
- Word Clock Input: Switchable (75Ω termination)
- BNC, 5-Pin DIN
- Word Clock Output (Zout = 35 Ω): BNC, 5-Pin DIN
- AES type/protocol: DB-25 (Tascam Dig.)
- ADAT / SPDIF
- Headphone Jack 1&2: 6.3 mm (1/4") / 3.5mm
- RAVENNA Primary / Secondary (GbE)
- RA4S

RAVENNA - AES67 I/O
Ultimate Portability & Total Flexibility

Software Specifications

- RAVENNA 32bit MassCore Driver: Pyramis 8.0 or Higher / Win32 32bit
- RAVENNA 64bit MassCore Driver: Pyramis 9.0 or Higher / Win64 64bit
- Windows Driver/OS: ASIO 2.2 / Win7 32 or 64bit
- Mac Driver/OS: CoreAudio / MacOS 10.6 or Higher (Intel)

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Small is Beautiful...

Meet HAPI, the son of Horus. Born from the most flexible and sonically transparent audio interface and providing the same RAVENNA / AES67 connectivity as its father, HAPI is both the perfect primary interface for smaller systems as well as the ultimate accessory for a system using Horus where control room I/O is required.

The HAPI Base Unit

Horus quality, HAPI size.
Able to hold both the standard and premium analog cards from the Horus means that HAPI owners get the exact same sound that Horus users have been winning awards with for many years.

RAVENNA and AES67
Using RAVENNA (AES67 compatible), HAPI is able to provide flexible connectivity of every single input and output across standard networks, using off-the-shelf network equipment. The future is most definitely networked audio, and HAPI provides it today.

Complete Control over LAN
HAPI is designed to fit into hard to reach places. So, HAPI comes with the same web-browser based control interface allowing any web-enabled device to access all the parameters of each HAPI unit over the network.

The Option Cards

IOM-HORUS AKD8D/AKD8DP
These remotely controlled Mic/Line input cards have set a new benchmark in analog circuitry design. Available in models that work up to 192kHz (AKD8D) and DXD/DSD256 (AKD8DP).

IOM-HORUS DA8/DA8P
The DA8 (up to 192kHz) and the DA8P (up to 384kHz/DXD/DSD256) have consistently shown in testing to be the quietest multichannel D/A conversion modules available anywhere.

IOM-HORUS-MADM/MADS
The MADI Expansion card (MADM - Multimode / MADS - Singlemode) provides 64 MADI inputs and 64 outputs @1FS.

What is in the box?
- 8 (4 Stereo) AES/EBU I/O
- 8 ADAT I/O or 2 SPDIF I/O
- Wordclock I/O
- LTC/MTC/Video Reference
- RAVENNA / AES67 Port
- 2 Option Slots for AD, DA or MADI
- AC and DC power input

Detachable Rackmounting Brackets

The Perfect Solution For:

Control Room I/O for RAVENNA Studios
When Horus is doing the heavy lifting in the live room, let HAPI be the perfect complement to your RAVENNA or AES67 connected control room by providing pristine talkback and multichannel speaker outputs.

3rd Party Workstations Welcome
Mac or PC, users now have access to one of the most sonically impressive mic preamps and ADDA interfaces the audio industry has ever seen. Using dedicated RAVENNA/AES67 drivers, users of any software on either the Mac or PC platform are able to use HAPI as their I/O solution.

Small I/O Stage Box
For recording setups where smaller amounts of inputs or outputs are needed in a variety of locations around the room, HAPI provides a cost-effective solution with mind-blowing results.

Installation AV with Ovation
Match the power of Merging’s multichannel audio and show sequencer with HAPI units placed strategically around the installation to provide the ultimate flexibility in creative AV.

Post-Production I/O
The perfect post interface has arrived. Just enough analog and digital I/O and a comprehensive set of referenced sync options including LTC/MTC and video reference, all connected using nothing more than a simple CAT5E/CAT6 cable.

The Ultimate Mastering Interface
With analog option cards that match a level of quality never heard of before (no pun intended) and one of the only converters ever to be known for "not having a sound at all", HAPI is able to provide just the right amount of I/O without pushing budgets too far.

* All units come as standard with 8 AES/EBU + 2 SPDIF I/O
HAPI 24|26: 8 Mic/Line Analog Inputs + 8 Analog Outputs *
HAPI 16|26: 8 Analog Outputs *
HAPI 16|18: 8 Mic/Line Inputs *
HAPI 16|34: 16 Analog Outputs *
HAPI 80|82: 64 MADI Coaxial/Optical *
HAPI 80|80: 64 MADI Coaxial/Optical + 8 Analog Outputs *