

# SCOOPS S-IP



STEREO



Designed and  
Manufactured  
In France

Perform live audio links over IP or leased lines

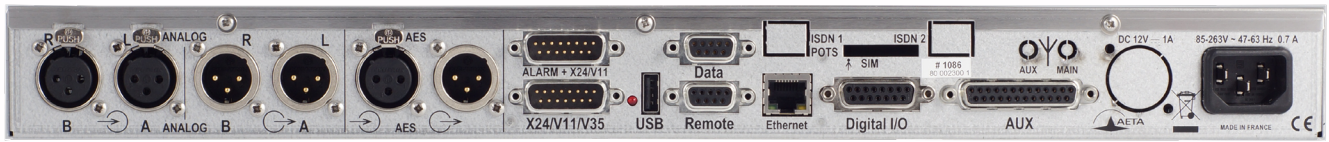
Suitable for **STL application (studio to transmitter)**

AoIP

LL



- + Broadcast audio quality (up to 20 kHz)
- + Full Duplex
- + Balanced analogue inputs and outputs
- + digital inputs and outputs AES/EBU
- + **AoIP over wired Ethernet**
- + **Leased lines**
- + Opus with on-the-fly adjustable bitrate to fit network load (16-192 kbit/s)
- + Double mono codec over IP
- + N/ACIP compliant (UER Tech 3326)
- + **SIP or direct RTP** - Factory SIP accounts included
- + Double Streaming
- + Multicast feature
- + FEC: packet duplication
- + Embedded HTML server (LAN)
- + **Remote Access** : remote access and control via Internet
- + 12 V DC powering
- + No noise and higher reliability
- + Low power platform

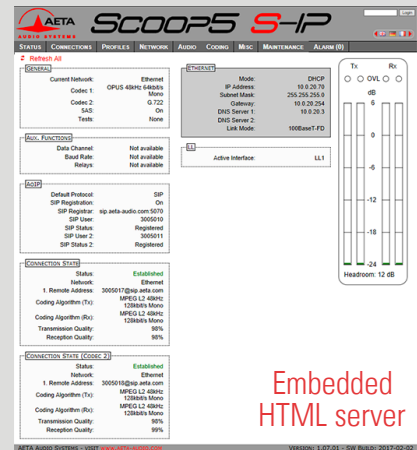


**Scoop5S-IP is controlled via a laptop through LAN thanks to its dedicated web page.** The product is detected by its MAC address when connected to Ethernet.

**AETAScan scans** your LAN to look for AETA codecs and displays MAC and IP addresses. You can download AETAScan for free on our website (Java needed, works on any OS).

The **AETA Remote Access option** allows you to take control of your Scoop5S-IP **remotely and in real time over the Internet.**

It is also possible to control Scoop5S-IP via codec management software, such as **Scoop Manager**, edited by AETA Audio Systems.



Embedded HTML server

## ALGORITHMS

### Telephone and voice quality

- + G722 7 kHz (SRT/H221)
- + CELP (7 kHz voice, up to 24 kbit/s)
- + Low delay: 4SB ADPCM / MICDA 4SB
- + Latency < 10 ms, 15 kHz bandwidth
- + Mono or stereo, 128 kbit/s per audio channel

### MPEG Layer II

- + 64 to 256 kbit/s
- + Sampling rate 48 kHz, 32 kHz, 24 kHz, 16 kHz

### MPEG AAC

- + AAC-LC, HE-AAC, HE-AAC v2
- + 15 kHz

### OPUS

- + Mono 12 to 192 kbit/s, Stereo 16 to 256 kbit/s
- + 20 kHz

### Linear

- + L16, L20, L24; Mono, Stereo
- + Sampling rate 48 kHz, 32 kHz

## NETWORK INTERFACES

### Leased Lines

- + X24 / X21 / V11 / V35 interface
- + Bit rate 64 to 384 kbit/s

### Ethernet

- + 100/10BaseT IP/SIP
- + SIP protocol, involving SDP, RTP, RTCP, UDP and other IETF standards

## OPERATIONAL INFORMATION

### USER INTERFACE

- + Alarm and status indicators
- + Linux architecture

### CONTROL AND SUPERVISION

- + Embedded HTML server
- + Remote control via Ethernet/IP or RS232 interface
- + Status and alarm relays
- + ScoopManager - *Optional*

### GENERAL

- + Dimensions : 1U 19" (WxHxD): 480 x 44 x 252 mm (18.9" x 1.73" x 9.9")
- + Weight: 3.2 kg (7 lb)
- + Power supply: AC 85-263 V / option 12 V DC
- + Temperature range: 0° to 45°C

## AUDIO INTERFACES

### Analog

- + Balanced, max level adjustable 0 to +22 dBu
- + Input impedance 600Ω or 10 kΩ
- + Output impedance < 100Ω
- + XLR sockets (2 female in, 2 male out)

### Digital

- + AES/EBU I/O
- + Sampling rate 32 kHz, 48 kHz, 96 kHz or synchronised to input (Genlock mode)
- + XLR sockets (1 female in, 1 male out)

## AUDIO PERFORMANCE

- + Bandwidth 20 – 20 000 Hz (Fs 48 kHz)
- + THD + N < -80 dB (0.01%)
- + Channel separation > 80 dB

## AUXILIARY FUNCTIONS

### Auxiliary functions

- + Embedded in encoded audio stream
- + No additional network resources needed
- + Exact capabilities depend on audio coding algorithm used

### Data channel

- + RS232 interface, 300 to 9600 bauds

### Relay transmission

- + Transmission of digital I/O: 8 inputs, 8 outputs
- + Including 2 isolated I/O



12V DC input (Optional)

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