

SCOOP5 S

Stereo audio codec with
multiple network interfaces

NEW
Platform

HD-Voice



IP

LL

ISDN

LTE

3G

POTS

SIP

HD-Voice

The new SCOOP5 S comes with multiple network interfaces including IP, ISDN, Leased Line, POTS and cellular 2G/3G/4G-LTE with HD Voice for high quality transmission. SCOOP5 S combines a major upgrade of the software platform with an ergonomically improved design. SCOOP5 S works reliably in every environment be it studio, control room or OB van.

When receiving an ISDN call, the 5A System recognizes the mode of the remote codec and adjusts itself automatically. In IP mode, one great advantage of Scoop5 S is its packet duplication algorithm, which prevents audio dropouts. The SCOOP5 S is N/ACIP compatible and can be configured and controlled easily via its internal website. A large selection of algorithms including G722, MPEG Layer II, AAC, OPUS and cellular phone calls in HD Voice quality are available.

- + Audio transmission via IP, ISDN, Leased Line, POTS, mobile 2G/3G/4G-LTE with HD Voice
- + Broadest choice of compression algorithms, including 4SB ADPCM, AAC-LC, HE-AAC, HE-AAC v2, and OPUS
- + Broadcast quality audio
- + Telecom grade reliability
- + Packet duplication algorithm, with high resilience to IP packet losses
- + Low power platform, Linux architecture, no noise and high reliability

Technical Features

SCOOP5 S



All the facts and figures about our rackmount stereo codec

HIGHLIGHTS AT A GLANCE

- + Wide range of coding algorithms, including AAC and OPUS
- + IP interface for SIP/AoIP+VoIP
- + Integrated mobile access (optional), supporting HD Voice service (AMR-Wideband)
- + Compliant with EBU Tech 3326 (N/ACIP)
- + 5AS for automatic detection and setup on receiving ISDN calls
- + High performance audio interfaces
- + Webserver with enhanced functions
- + DC powering 12V (optional)
- + Higher reliability because no fan is necessary

TRIED AND TRUSTED ALL OVER THE WORLD

AETA Audio Systems is a leading international developer of portable sound recording units, mixers and advanced audio codecs, optimised for any kind of media and transmission infrastructure. "Made by AETA" is a synonym for high quality and investment protection.

With a strong commitment to innovation the company has a great history of industry firsts.

CONTACTS

For further information on AETA Audio Systems, its products and its national and international customers please go to aeta-audio.com or call us on +33 (0) 141 361 200 France.

AUDIO INTERFACES

Analog

- + Balanced, max level adjustable 0 to +22 dBu
- + Input impedance 600Ω or 10 kΩ
- + Output impedance < 50Ω
- + 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 PERFORMANCE¹

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

ALGORITHMS

Telephone and voice quality

- + G711 3.1 kHz
- + G722 7 kHz (SRT/H221/H242)
- + 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
- + J52 available

MPEG AAC

- + AAC-LC, HE-AAC, HE-AAC v2

OPUS

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

Linear

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

NETWORK INTERFACES

- + Ethernet 100/10BaseT IP/SIP
- + Leased line X24/X21/V11/V35 interface, 64 to 256 kbit/s
- + ISDN 2xS0 1B to 4B (ETSI, NI-1/NI-2, NTT)
- + POTS (PSTN)
- + Integrated mobile access 2G/3G/3G+/4G: IP data mode, voice/HD voice
- + Two SMA sockets for antennas in diversity
- + USB host interface for extension modules: optional 3G/3G+/4G USB sticks

AUXILIARY FUNCTIONS

- + End to end, transparent
- + **Data channel**
- + RS232 interface, 300 to 9600 bauds
- + **Relay transmission**
- + Transmission of digital I/O: 8 inputs, 8 outputs
- + Including 2 isolated I/O

CODING ALGORITHMS

Codec	Wired				Wireless		
	POTS	Leased Line	ISDN	Ethernet	3G+/4G LTE	3G UMTS	Voice
GSM, AMR							
G711							
AMR-WB							
CELP							
G722							
4SB ADPCM							
MPEG L2							
AAC							
OPUS							
Linear							

Legend: 3 kHz, 7 kHz, 15 kHz, 20 kHz

OPERATIONAL INFORMATION

User interface

- + Keypad and OLED display
- + Alarm and status indicators
- + Audio level monitoring for inputs and outputs
- + Headphone monitoring connection on front panel
- + **Control and supervision**
- + Embedded HTML server
- + Remote control via Ethernet/IP or RS232 interface
- + 50 programmable configuration/dialing profiles
- + Status and alarm relays

General

- + Dimensions (WxHxD): 480 x 44 x 252 mm
- + Weight: 3.4 kg max.
- + Power supply: AC 85-263 V / optional 12 V DC
- + Temperature range: 0° to 45°C

ACCESSORIES

- + Multiband antenna, "T" shape, 1 m cable
- + Multiband antenna, "T" shape, 3 m cable
- + ScoopManager software for remote control

Note 1: Over the full 20–20 000 Hz bandwidth, unless otherwise specified

