

SCOOP 5

Best in its class: Rack mount studio codec
with multiple network interfaces



The new **SCOOP 5** comes with multiple network interfaces including IP, ISDN, Leased Line, POTS and cellular 2G/3G with HD-Voice for high quality transmissions. **SCOOP 5** combines a major upgrade of the software platform with an ergonomically improved design. Faster, more intuitive operation, profile management and supervision via an embedded web page, a new control panel with graphic display, and an elastomere keyboard for greater comfort make **SCOOP 5** the leading product in its class. When receiving an ISDN call, the interactive 5A System recognizes the mode of the remote codec and adjusts itself automatically using the best algorithm quality available. **SCOOP 5** works reliably in every environment be it studio, control room or OB van. Another great advantage of **SCOOP 5** is its packet duplication algorithm, which prevents time dropouts.

- + Audio transmission via IP, ISDN, Leased Line, POTS, cellular 2G/3G with HD-Voice
- + Broadest choice of compression algorithms, including 4SB ADPCM, AAC-LC, HE-AAC, HE-AAC v2
- + Broadcast quality audio
- + Telecom grade reliability
- + Packet duplication algorithm, which prevents time dropouts
- + Low power platform on a Linux architecture
- + No noise and higher reliability because no fan is necessary

Technical Features

SCOOP 5



All the facts and figures about our rack or stereo studio codec

HIGHLIGHTS AT A GLANCE

- + Wide range of coding algorithms, including AAC
- + Supports HD-Voice (AMR-WB), optional
- + IP interface for SIP/AoIP+VoIP
- + Compliant with EBU Tech 3326
- + Webserver with enhanced functions
- + AES/EBU I/O
- + 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. AETA is a co-founder of the Audio-Over-IP experts group, which includes the leading manufacturers worldwide and targets inter-operation standards for IP transmission meeting EBU recommendations.

AUDIO

Analogue

- + Symmetrical, max level adjustable 0 to +22 dBu
- + Input impedance 600 Ω or 10 k Ω
- + Output impedance < 100 Ω
- + 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)

Performance¹

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

TRANSMISSION INTERFACES

Leased Lines

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

POTS

Mobile network access

- + with antenna connection

Ethernet

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

ISDN

- + 1 or 2 BRI, S0
- + Bit rate 64 to 256 kbit/s

ALGORITHMS

Phone quality: G711 3.1 kHz

Extended bandwidth voice

- + G722 7 kHz (SRT/H221/H242)
- + CELP (7 kHz voice, 24 kbit/s)

Low delay: 4SB ADPCM

- + Latency time < 10 ms, 15 kHz bandwidth
- + Mono or stereo, 128 kbit/s per audio channel

MPEG Layer II

- + 64 to 384 kbit/s
- + Sampling rate 48 kHz, 32 kHz, 24 kHz, 16 kHz
- + J52 available

MPEG AAC

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

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

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

Audio coordination channel (optional)

- + Voice grade
- + 8 kbit/s only

OPERATIONAL INFORMATION

User interface

- + Keypad and backlit LCD
- + Alarm and status indicators
- + Audio level monitoring for inputs and outputs
- + Headphone monitoring connection on front panel

Control and supervision

- + 50 programmable configuration/dialling profiles
- + Remote control via Ethernet/IP or RS232 interface
- + Embedded html server
- + 5AS for automatic detection and setup on receiving ISDN calls

General

- + Dimensions (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 12V DC
- + Temperature range: 0° to 45°C

VERSIONS AND OPTIONS

Versions

- + IP and leased line interfaces
- + IP, leased line, 1 or 2 ISDN BRI

Options and accessories

- + Audio coordination channel
- + Mobile network interface with AMR Wideband
- + AAC coding algorithms (AAC-LC, HE-AAC, HE-AAC v2)
- + POTS codec
- + Antenna for wireless access
- + 12V DC input
- + RAVENNA interface

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.

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