



Ready for the future: Scoop4+ offers the most advanced technology in a rack or studio codec

NEW
HD-Voice



With **Scoop4+** live broadcasts even from faraway locations can be received and transmitted around the globe in the best quality possible. When receiving a call, the 5A System recognizes the mode of the remote codec and adjusts itself automatically, taking into account the algorithm, the mode (mono, stereo, joint stereo), the sample frequency and the bit rate. This happens fast, reliably and without downgrading to a weaker algorithm.

Scoop4+ works reliably in every environment be it studio, control room or OB van. You can even use it for station feeds via V.11/X.21 or IP.

The optional feature HD-Voice (AMR-Wideband) makes **Scoop4+** and **SCOOPY+**, our portable multi-tasking audio codec, a perfect fit. Read more about the benefits of HD-Voice on aeta-audio.com.

- + Audio transmission via Leased Lines, Ethernet/IP, ISDN
- + Broadest choice of compression algorithms, including 4SB ADPCM, and ready for AAC-LC, HE-AAC, HE-AAC v2
- + Broadcast quality audio
- + Telecom grade reliability
- + New low power platform on a Linux architecture
- + No fan



Technical Features



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)
- + No fan

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.

CONTACTS

For further information about AETA Audio Systems, its products and its national and international customers please go to aeta-audio.com or call us on +33 1 41 36 12 00 France.

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
- + Two X24 / X21 / V11 / V35 interfaces
- + Bit rate 64 to 384 kbit/s
- + POTS line
- + 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 or U0
- + 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

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

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