

SCOOPS

S

AETA
AUDIO SYSTEMS®

STEREO



Designed and
Manufactured
In France



Reception codec for studio, control room and OB van

AoIP

3G

4G

ISDN

LL

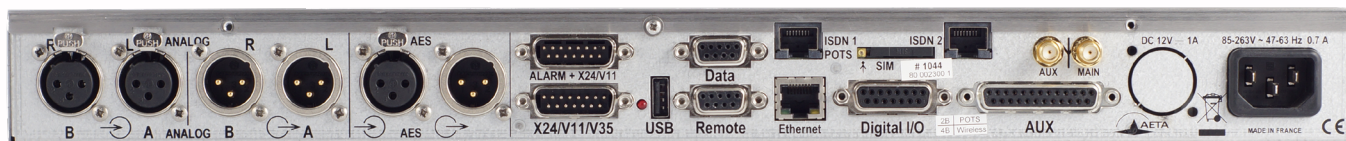
HD
VOICE

- + 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**
- + **ISDN (2B/4B)**
- + **AoIP over 3G/4G-LTE mobile networks**
- + **Mobile by USB**
- + **PSTN**
- + 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
- + 5AS for automatic detection and setup on receiving ISDN calls
- + 12 V DC powering
- + 2 years warranty

With the «**HD-4G**» option, Scoop5 S natively supports both voice service (and HD Voice) and IP transmission over 2G/3G/3G+/4G networks. By connecting a USB mobile key it can also connect to a second mobile data network.

OPTIONS :

Networks	Ethernet	ISDN	Mobile via USB	Leased lines	Mobile HD-4G	PSTN
	Yes	Opt.	Opt.	Yes	Opt.	Opt.



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
- + On-the-fly setting (16-192 kbit/s)

Linear

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

NETWORK INTERFACES

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

AUDIO INTERFACES

Analog

- + Balanced, max level adjustable 0 to +22 dBu
- + Input impedance 600Ω or 10 kΩ
- + Output impedance < 50Ω
- + XLR sockets (2 females in, 2 males 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

- + 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

ALGORITHMES DE CODAGE

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

3 kHz	7 kHz	15 kHz	20 kHz
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USER INTERFACE

- + Keypad and OLED display
- + Alarm and status indicators
- + 50 programmable configuration/dialing profiles
- + Audio level monitoring for inputs and outputs
- + Headphone monitoring connection on front panel
- + Linux architecture

CONTROL AND SUPERVISION

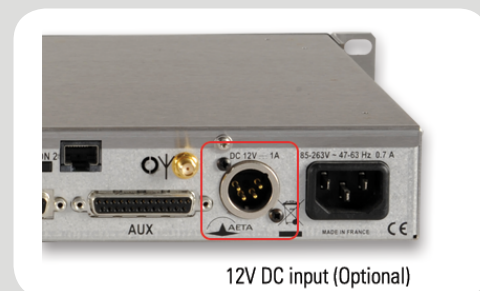
- + Embedded HTML server
- + Remote control via Ethernet/IP or RS232 interface
- + Status and alarm relays
- + ScoopManager - *Optional*

GENERAL

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

ACCESSORIES (OPTIONAL)

- + Multiband antenna, "T" shape, 1 m cable
- + Multiband antenna, "T" shape, 3 m cable



12V DC input (Optional)

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