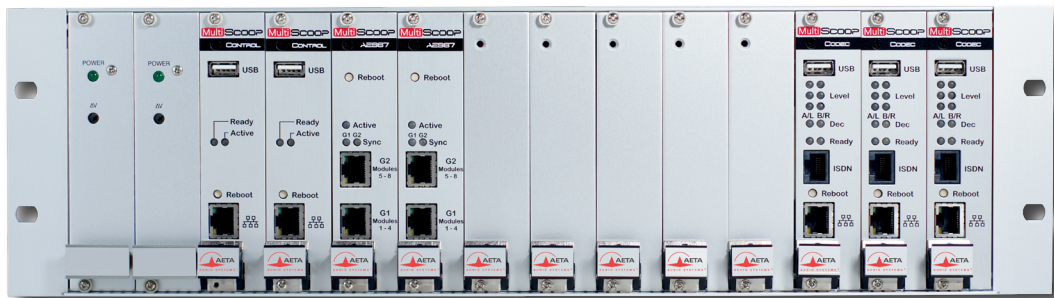# SIMPLE AND SAFE AUDIO LINKS

Multi**SCOOP**

STEREO

All the security and redundancy you could need to perform numerous audio connections!

Audio channels X16

AoIP Ethernet

ISDN

REMOTE ACCESS

SIP SERVER AETA

RAVENNA AES67 built-in

INCLUDED:

SCOOP MANAGER

Modular multi-channels codec with IP, ISDN and AES67

Versatility

Ease of use

Budget friendly

2 YEAR WARRANTY

SIMPLICITY

+ Full Duplex
+ **Embedded HTML server** for easy access to all parameters
+ SIP or direct RTP
+ **Factory SIP accounts included**
+ N/ACIP compliant (UER Tech 3326)

SAFETY

+ **Double Streaming**
+ FEC: packet duplication
+ **Remote Access** : remote access and control via Internet
+ **Adjustable Opus bitrate during communication** to fit network load (16-192 kbit/s)
+ **Redundant power supply**

+ **Up to 16 audio channels in 3U**
+ **Flexible audio interfaces (up to 16 in 3U) : analog, AES3, AES67**
+ **Best in class audio quality** (up to 20 kHz)

+ **Hot-swap modules** (sold separatley) :
+ **Up to 8 AoIP & ISDN modules** (with double mono codec)
+ **Up to 2 AES 67 modules - Ravenna/Dante**
+ **Up to 2 Control modules**

+ **Full Redundancy**: power, control and AES67 modules
+ Separated audio and control networks for more safety

+ **Easy supervision**
+ **Full control from control modules with separated networks**
+ **Supplied with ScoopManager for simplified codecs management**
+ Embedded HTML server (LAN) for each modules
+ **SNMP**

REAR FACE

NETWORK INTERFACES (BY MODULE)

Ethernet/IP transmission interface
+ Ethernet interfaces, 10BaseT / 100BaseT (shared with remote control)
+ Audio transmission (AoIP) in unicast mode: SIP or "Direct RTP"
+ Net bit rate 12 to 256 kbit/s (depending on coding algorithm, linear coding excluded)

ISDN transmission interface
+ One S0 (BRI) interface. Protocols: ETSI, NI-1, NTT
+ Single codec 64 or 128 kbit/s, or double 64 kbit/s codec
+ 5AS auto configuration on incoming calls

CONTROL AND SUPERVISION
+ Embedded HTML server (LAN)
+ Remote access and control over Internet - *Optional*
+ GPIO: 1 input / 1 output (on each IP module)
+ SNMP
+ ARC (AETA exclusive protocol)

AUDIO INTERFACES (BY MODULE)
+ 2 analog inputs
+ 2 analog outputs
+ 1 AES3 input
+ 1 AES3 output
+ AES67 interface

GENERAL
+ Power: Redundant AC 85-263 V
+ Size 3U - 19"
+ Operating temperature range 0°– 45°C

PARTS AND MODULES
+ MultiScoop 3U rack
+ AC/DC power supply module
+ IP codec module
+ IP/RNIS codec module
+ Control module
+ AES67 module
+ Audio analog/AES in/out cables
+ Blind plates

CODING ALGORITHMS

Network/Algorithm	AoIP	ISDN
G711	Mono	Mono
GSM, AMR	-	-
AMR-WB / G722.2	-	-
G722 SRT, H221, H242	Mono	Mono
MPEG Audio Layer II	Mono, Dual mono , Stereo	Mono, Dual mono
MPEG AAC-LC, HE-AAC	Mono, Dual mono , Stereo	Mono, Dual mono
OPUS	Mono , Stereo	-
Linear L16, L20, L24	Mono, Dual mono	-

AETA
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