Instreamer Classic

General Purpose Network IP Audio Encoder.

The Instreamer encodes analog audio sources in real time in a configurable format (MP3, CM, G.711, G.722) and streams via TCP, UDP, HTTP, Shoutcast/Icecast and/or Multicast RTP format to configurable destinations.

Used in high quality broadcast applications, surveillance, and VoIP markets alike, the Instreamer has proven its simplicity where Audio over IP encoding is required.

**Applications**
- Live IP Audio Encoder for Streaming Applications
- Source Encoder for IP Audio Distribution Applications
- Background Music and Music-on-Hold encoder for VoIP Applications
- Shoutcast/Icecast Source Encoder
- Low latency IP Audio Encoder for multichannel Applications
- Confidence Monitoring and Vox Switch for Broadcast Applications

**Features**
- MP3, G.711, G.722, PCM Encoding
- Shoutcast/Icecast Source capability
- Audio Level Supervision with SNMP Trap generation
- IP Streaming via TCP, UDP, RTP, Multicast
- Line Level Input (Stereo)
- RS-232 Serial Port
- Supply Voltage 5VDC

For commercial related questions (distributors contacts, price list, business opportunities) please contact: sales@barix.com

For technical inquiries (problem reports, request for documentation, etc.) please contact: support@barix.com
Technical Specifications

Electrical

- 5V, max. 1A
- External power adaptor, 100-240VAC, 5W, included

Ethernet

- RJ45, 10/100Mbps auto, Link & Activity LEDs
- Protocols: TCP/IP, UDP, RTP, DHCP, SNMP, SIP
- AutoIP, SonicIP, IPZator to ease address assignment

RS-232

- 300..230'400 Baud asynchronous, 7/8 bit
- DSub 9 pin male
- serial tunnel, control and metadata input support

Audio Input

- RCA connectors, unbalanced, 2 kOhm impedance
- Clipping level 5.3 dBu, 4 Vpp
- Frequency response (-3dB) 20..20'000 Hz *
- Signal to Noise Ratio 89dB, THD <0.03%
- Stereo crosstalk -89dB
- Input signal attenuable by software setting (-3..+19.5dB)

Headphone Output

- 3.5mm jack
- volume adjustable via browser
- announcement of IP address (SonicIP)
- general purpose audio output, depending on used codec

Audio formats

- MP3, encoding/decoding up to 192/320kbps
- VBR and CBR support
- PCM 16bit @8, 16, 22.05, 24, 32, 44.1, 48 kHz
- G.711, uLaw, aLaw (sample rates same as PCM)

Mechanical

- Aluminum case, 225g, separate mounting bracket
  - available 4.25" x 1.5" x 3.1" (108mm x 38mm x 78.7 mm)

Software Environment

- Application firmware packages available from Barix
- Development Environment for custom functionality
  (ABCL development kit) available free of charge

MTBF

- (calculated according to MIL217F at 25°C)
- min. 540 000h

* depends on used codec, best results @48kHz PCM

Environmental

Ordering Information

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Device and power supply, individual packaging in cardboard box with sleeve. This device replaces the Instreamer 100 product which has been produced until 07/2012

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