

Barix Exstreamer 100



Real time audio decoder

Audio streaming decoder with multiple operating modes (push/pull, http, RTP etc), control via webbrowser or open API (UDP, TCP, cgi or serial). USB memory interface. Supports MP3 (up to 320kbit/s FBR & VBR) and WMA (5-384kbit/s Version 4/4.1/7/8/9). Network interface: 10/100Mbit Ethernet, audio outputs: 2-channel stereo analog (RCA and headphone). Control: optional IR receiver for IR remote, serial RS-232 port. Power supply: 9..30VDC /12..24VAC. (AC adapter included)

Barix Exstreamer 200



Real time audio decoder with amplifier

Audio streaming decoder with multiple operating modes (push/pull, http, RTP etc), control via webbrowser or open API (UDP, TCP, cgi or serial). USB memory interface. Supports MP3 (up to 320kbit/s FBR & VBR) and WMA (5-384kbit/s Version 4/4.1/7/8/9). Speaker output supports 2x25W sinus power to 8 Ohm speakers. Network interface: 10/100Mbit Ethernet. Audio outputs: 2-channel stereo, analog (RCA), optical S/PDIF, speaker and headphone output. Control: IR remote, serial RS-232 port. Power supply: 24VDC. (AC adapter included)

Barix Instreamer 100



Real time audio encoder

Audio streaming encoder with multiple operating modes (push/pull, http, RTP etc), control via webbrowser or open API (UDP, TCP, cgi or serial). SNMP monitoring for device supervision. Configurable MP3 encoding (8kbit to 192kbit VBR, 16-48kHz sample rate), G.711 (aLaw/uLaw) and 16bit PCM (both 8 and 24kHz sample rate). Network interface: 10/100Mbit Ethernet. Audio Inputs: 2-channel stereo, analog (RCA), coaxial and optical S/PDIF. Headphone output. Control: IR output, serial RS-232 port. Power supply: 9..30VDC /12..24VAC. (AC adapter included)

Barix Annunicom 100



IP Intercom

Universal intercom device that encodes and decodes mono audio signals in real time and transmits to up to 8 destinations. Supports UDP, RTP, TCP Multicast using MP3, G.711 (a-Law/ u-Law) and PCM audio coding. USB memory interface. Network interface: 10/100Mbit auto sensing / full duplex. Audio interfaces: analog input (RCA), analog output (RCA), multiple microphone standards. Speaker output 2W (4Ohms). Serial RS-232 interface. 2 inputs for contact closures, 1 relay (closing & opening contact). Power supply 9..30VDC /12..24VAC. (AC adapter included)

Barionet



Network controller

Universal, programmable network controller with 10/100Mbit Ethernet interface. 8 digital inputs, 4 can be used as analog inputs (0..5V, 0..10V with ext. resistor). 4 digital open-collector outputs (max. 30V, 100mA), 2 relay outputs (240V, 5A resistive load). RS-232 and RS-422/485 port. Temperature sensor bus interface (Dallas one-wire). Expandable with extension modules: R6 (relay outputs), IO12 (digital in/outputs), X8 (RS-485 interface module) for remote reader/contact. DIN rail mountable, 10 status LEDs. Power supply 9..30VDC /12..24VAC.



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Audio over IP solutions

Intelligent Components for Professional Audio over IP

Applications in the Broadcast Industry

Barix - Audio over IP Solutions

IP Audio Distribution Over Satellite

The Barix IP audio products allow unidirectional, low latency, high quality audio distribution over Satellite or terrestrial IP systems. They support RTP/Multicast, and can also transport control signals. A special version of the **Barix Exstreamer** with built-in relay can activate a control system and makes the solution ideal for backup/emergency STL, and PC free!

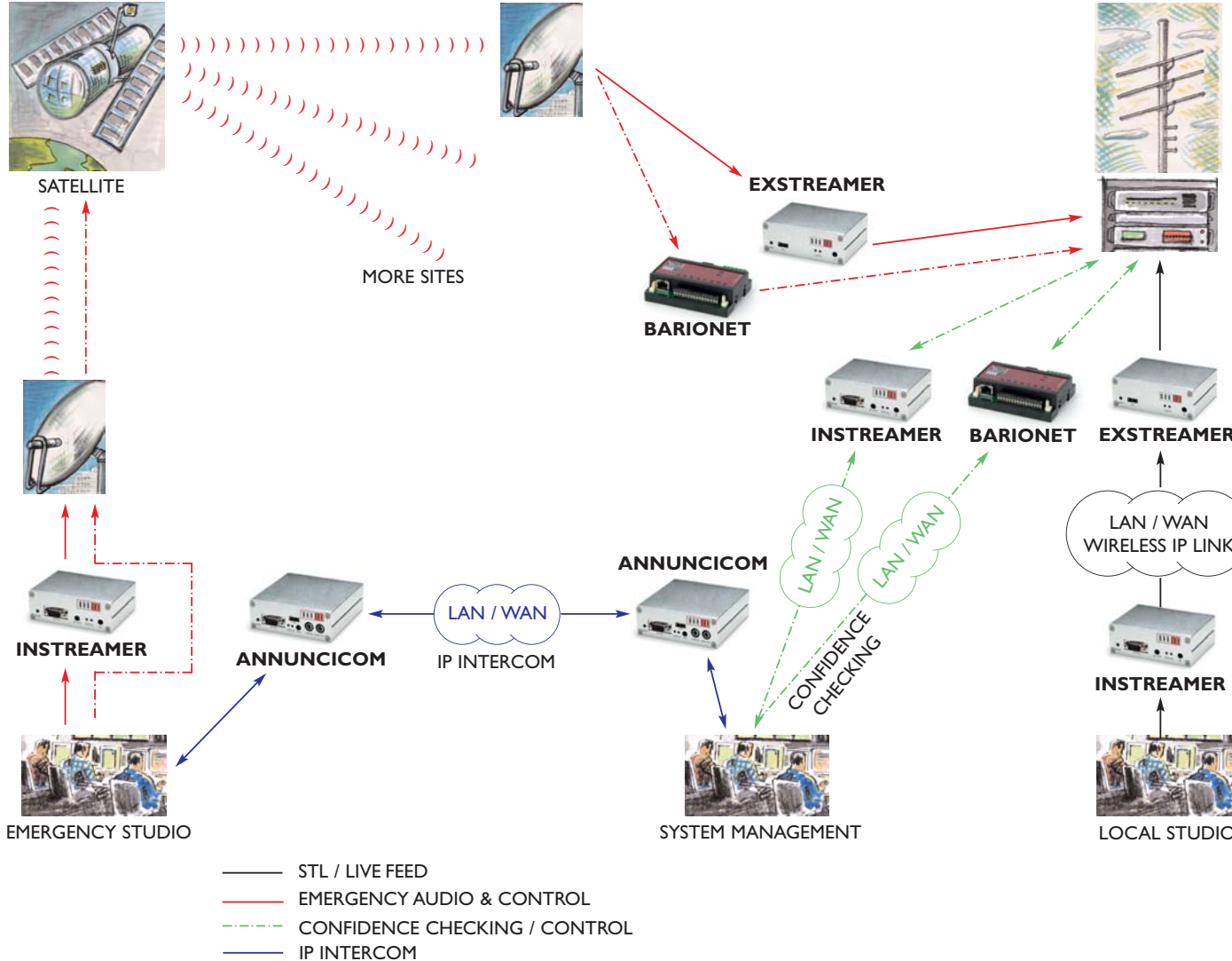
The **Barix Instreamer** encodes the audio in real time, the stream is distributed via the satellite system, and at the remote sites, the IP feed received from the satellite is decoded into audio and control by the Exstreamer. The Exstreamer can be controlled to select one of multiple channels.

details: <http://www.barix.com/STL>

IP Based Intercom

The **Barix Annunicom** is a universal, bidirectional audio device with I/O interfaces suitable for intercom applications. The Annunicom features inputs and outputs to support ring buttons, door opener, direct microphone and speaker connection (built-in 2W amplifier). With G.711 and RTP support the Annunicom can be interfaced to common VoIP phone systems, and a programmable, extensible firmware allows for full duplex applications. The Annunicom is also used for paging and realtime recording applications. A USB interface allows direct recording/playback to/from flash memory.

details: <http://www.barix.com/INTERCOM>



Confidence Checking and Remote Monitoring

Using **Barix Instreamer** or **Barix Annunicom**, audio at the transmitter site can be encoded in real time, monitored to be in a certain range, and also be pushed to servers for recording as well as tuned into using standard audio players or **Barix Exstreamers**.

A silence detection function in the Instreamer can automatically alarm control systems by means of SNMP. With the programmable software environment, an Instreamer can even send email or alert via text messaging/paging in case the audio signal is out of range or absent - without the need of a PC.

details: <http://www.barix.com/CONF>

STL and Remote Broadcasting

The **Barix Instreamer** and **Barix Exstreamer** provide an affordable, high quality audio link for point to point or point to multipoint applications, working over standard DSL or cable links with bitrates 50..200kbps. The Instreamer encodes audio in real time without the need for a PC. Reliable operations, always reconnecting after loss of link/power. Push and Pull modes, block loss resilient, standards based. USB backup playout capability. Ideal to feed transmitters, cable head stations, Internet radio.

Supported protocols include RTP, shoutcast source, MP3, uLaw/aLaw codecs for VoIP interfacing applications.

details: <http://www.barix.com/STL>