



## Zixi-Server Appliance

### Deliver Content to Any Device, Anywhere, Anytime

The Zixi Server Appliance is specifically designed to run all three components of the Zixi product family: Zixi Feeder, Zixi Broadcaster Platform, and Zixi Receiver. A 1RU rack mountable appliance that is running Linux OS, 4x Gigabit Ethernet, 1000BASE-T, RJ45 cards is capable of up to 800Mbps per interface. Combined with Zixi Broadcaster platform the server can serve thousands of streams in a fully redundant and scalable manner. The Zixi server is available pre-configured and can be drop shipped anywhere in the world.

#### ZIXI Benefits

- Dramatically reduce connection cost over long haul links
- Provides operational flexibility as connections do not need to be provisioned by internal or external IT departments
- Supports any IP connection
- A single platform for contribution and distribution of live and file based material
- Content secured by means of encrypted connection, password protection or Zixi device authentication
- Easy to use and manage platform with an effective and intuitive feature set

#### Typical Applications

- Live interactive and file based news gathering
- Contribution and distribution of broadcast services
- Enterprise Video infrastructure
- Public infrastructures, video surveillance
- Disaster Recovery, Media Content Sharing
- Backup for managed network infrastructures
- OTT over Zixi
- Transfer of live services to cloud based processing and CDN services



Zixi's feeder, receiver and broadcaster platform make it possible to reliably transmit video feeds from remote locations (e.g. news gathering for broadcasters, or acquiring foreign content for network operators) to a central hub and/or distribute video reliably to one or more destinations. The platform uses technologies that dynamically balances forward error correction, retransmission and jitter management in order to utilize open internet capacity to the maximum extent possible, while ensuring integral delivery of your valuable content. Video stream bandwidth can be traded off against more protection to allow low latency applications as encountered in live reports. The ability to use open internet, even spanning continents, for reliable video transmission can reduce interconnect cost dramatically. Internet bandwidth on long haul circuits is a fraction of the cost of managed networks, private lines or satellite links.

Zixi's technology liberates you from hassle with foreign, external or even internal IT departments as the feeder and receiver communication and management can be on the DMZ administered over http with customizable ports. Zixi provides a single platform not only for live video reception and distribution, but also enables accelerated delivery of large (media) files, or if needed, throttles those transmissions in order to reserve connection capacity for other purposes. Zixi's UDP based transmission will work on all IP connections, whether the connection is made through hotel network, wifi, 4G, DSL, Cable, managed networks or Satellite, therefore being truly universal in its application. More and more broadcast technology vendors see the benefits of Zixi's solution and integrate feeder or receiver capabilities in their products (please contact us for more detailed information on this).

Besides the core reliable delivery technologies, the broadcaster platform also provides useful functions such as asset publishing, live recording, MPEG-TS monitoring (ETSI TR 101-290), time delay and conversion of MPEG2-TS into other container formats such as RTMP,HLS, HDS or MPEG-DASH. All session setup and link parameter monitoring is done with an intuitive UI, and is also automatable. Zixi is a software solution which runs on Windows or Linux platforms. Cloud based implementation are possible as well.

# Zixi-Server Appliance

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Processor	Intel i3-4130T 2.9GHz
Number of Processors	One
Input Format	UDP, RTP, RTMP
Output Format	UDP, RTP, RTMP, HLS, HDS, MPEG-DASH, FLV
Management	Web GUI
Interfaces	Input/Output: 4x Gigabit Ethernet, 1000BASE-T, RJ45 Management: 1x Gigabit Ethernet, 1000BASE-T, RJ45
Throughput	400Mbps
Storage	32GB
Memory Type	4GB DDR 1600MHz ECC
Network Controller	4x Gigabit Ethernet, 1000BASE-T, RJ45
Expansion Slots	1x16/1x8 PCIE 3.0 6xSATA2
Form Factor	1RU, IEC 60297 (19")
Height	1.7in (45mm)
Width	16.8in (426mm)
Depth	14.0in (356mm)
Weight	11lbs (5kg)
Operating Temperature Range	5°C ~ 35°C (41°F ~ 95°F)
Non-Operating Temperature Range	minus40°C ~ 60°C (-40°F ~ 140°F)
Operating Relative Humidity Range	8% ~ 90% (non-condensing)
Non-Operating Relative Humidity Range	5% - 95% (non-condensing)
Power Supply Type	200W Low Noise SC-DC gold level power supply
AC Voltage	100 - 240V, 50-60Hz, 3-1.5 Amp Max
OS Support	Enterprise Linux
Warranty Standard Statement	Global Limited Warranty
Warranty	One-Year Parts
Power Supply Safety / EMC	
USA - UL listed, FCC	
Canada - CUL listed	

**Note:** Zixi Feeder, Broadcaster Platform, and Receiver software can also be hosted on generic server hardware that meets these specifications or in the cloud, e.g., Amazon Web Services

**Zixi Server Appliance qualified to run the following Zixi products and Services**

**Zixi Feeder**

**Zixi Broadcaster**

**Zixi Receiver**

**Zixi-Link**

**Zixi-Pipe**

**Zixi-Connect**

