



Primary Distribution Decoder with **MPEG-DASH**

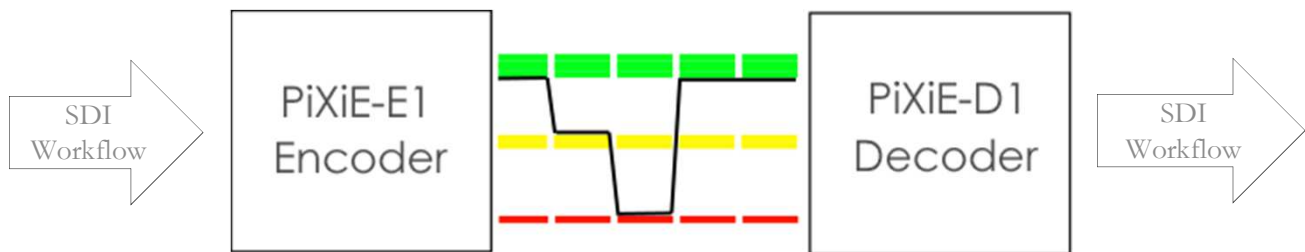
PiXiE-D1 *Decoder*

The PiXiE-D1 Decoder is for primary distribution. PiXiE Decoders have the ability to deliver high quality HD or SD content including all ANC data and 16 channels of audio. Unique to PiXiE-D1, your multipoint distribution handoff is precisely synchronized across all PiXiE Decoders.

PiXiE incorporates **MPEG-DASH** Adaptive Bit Rate technology so that setup is simple and performance is robust for long-haul video services. PiXiE products use HTTP, the language of your browser, and operate behind your firewall with no setup.

Path 1's innovative PiXiE products work together to reduce the complexity and risk of real-time Internet program transport. With a simple web user interface, and small form factor, PiXiE integrates into a variety of applications with ease.

And, PiXiE Decoder delivers a great picture!



Designed for the Internet:

- Primary Distribution
- Internet/CDN
- Outside Broadcast/Production
- Satellite Disaster Recovery

ABR means the decoder requests different quality levels as needed depending on network conditions and throughput.



PiXiE-D1 Decoder

Specifications



Inputs

Gigabit Ethernet: RJ-45 (2nd interface for future use)
External Reference: Genlock or TLS

Outputs

SD/HD SDI Single Port (2nd port for future use)
Video: 1080i 29.97/25, 720p 59.94/50, 480i, 576i
Audio: 2/4/6/16 channels of PCM or Encoded
Ancillary Data: All DIDs and SDIDs

Encoding and Transport

Video CODEC: MPEG-4 AVC/H.264 - High Profile@L4
Audio CODEC: HE-AAC v1, AAC-LC, PassThrough
Encode PCM (2 or 6 ch) AAC-LC / HE-AAC
Pass through (4 or 16 ch)
Encapsulation: ISO base media file format live profile

Management

HTTP (*Simple, Enjoyable* Web User Interface)
Front Panel IP identification
Web Services API
HTML log files

Physical

Power: 100W, 100-240 VAC, 50-60Hz, 2.5-1 A
Physical Dimensions: 1RU (19") x 10" (rack mountable)
Operating Temperature: 41 to 104F (5 to 40C)
Operating Humidity: 5% to 90% non-condensing
Storage Temperature: -4 to 113F (-20 to 45C)

Certifications

CE, FCC and TUV, RoHS Compliant

Models

PiXiE-E1: Single Channel Decoder

Option (contact Path 1 for availability)

UDP M2TS Output
Private-Key Encryption
Two channel

Video Transport **Simplified.**



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