



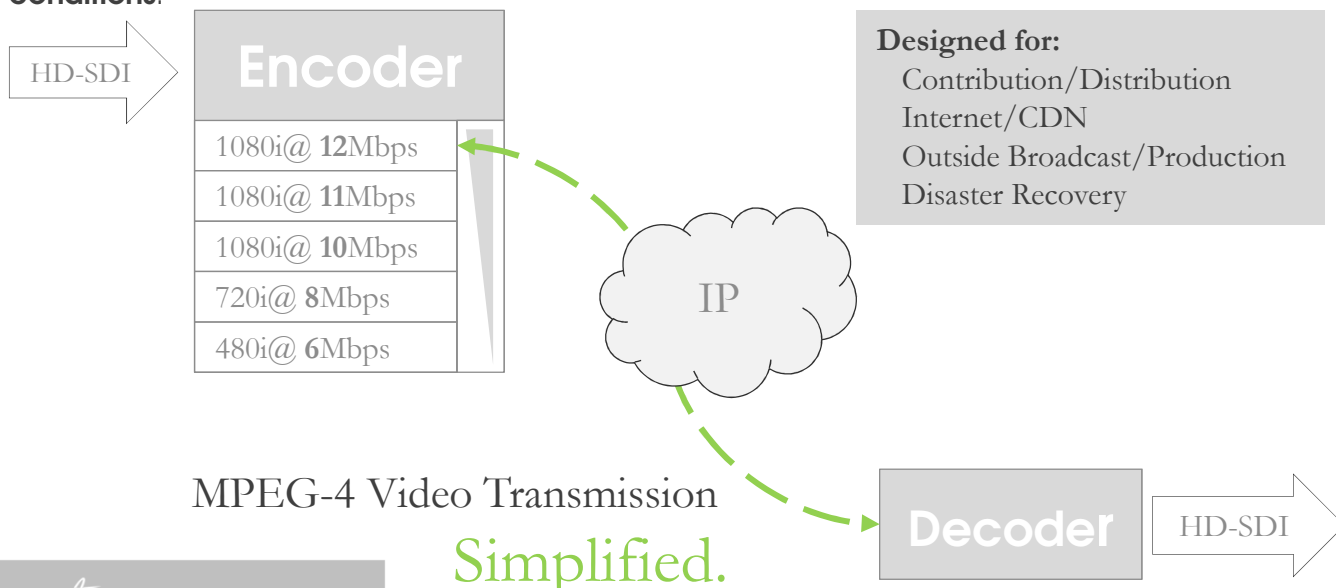
# MPEG-4 AVC HD Encoder/Decoder with MPEG-DASH technology



The PiXiE encoder and decoder are designed to deliver high quality MPEG-4 AVC **video over any IP network**, including CDNs (content delivery networks) and the Internet.

Path 1's PiXiE CODEC **reduces the complexity** and risk of real-time Internet program transmission. With a **simple web user interface**, and small form factor, it integrates into a variety of applications with ease.

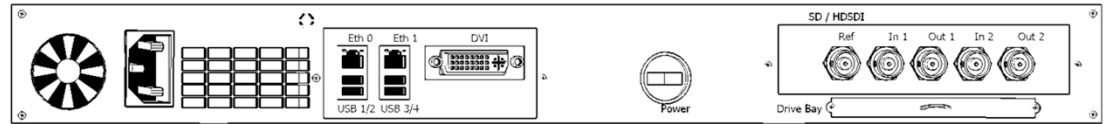
PiXiE incorporates **MPEG-DASH** adaptive bit rate technology to enable simple configuration and robust performance for long-haul video services. The PiXiE decoder will automatically select among a program's available bit rates, **optimizing playback for adverse network conditions**.



MPEG-4 Video Transmission  
**Simplified.**



Perfect Video Over IP



## Inputs and Outputs

Video Interface: HD-SDI/SDI (Single Port)

*Formats: 1080i 29.97/25, 720p 59.94/50, 480i, 576i*

Audio Interface: (Embedded HD-SDI up to 16 channels)

*Formats: PCM*

Ancillary Data (All DIDs and SDIDs):

External Reference: Tri-level Sync/Genlock

Gigabit Ethernet: RJ-45

## Encoding/Decoding/Transmission

Video CODEC: MPEG-4 AVC/H.264 - High Profile@L4

*up to 16Mbps*

Audio CODEC: HE-AAC v1, AAC-LC, PassThrough

MPEG-DASH: ISO Base media file format live profile (up to 5 levels/representations)

## Management

HTTP (*Simple, Enjoyable* Web User Interface)

Front Panel IP identification

Web Services API

## 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 AVC Encoder

PiXiE-D1: Single Channel AVC Decoder

## Perfect Video Over IP

