



MPEG-DASH Software Decoder for Live and On-Demand Content

PIXiE *Player*

The PiXiE Player is a professional web based software video decoder for MPEG-DASH content. The player is simple and convenient to use. Either click to play from the PiXiE-E1 Encoder web user interface or embed the Player in your own homepage or other video portal using the HTML snippet (see below).

PiXiE Player is fully compatible with the MPEG-DASH standard and because of it's advanced Adaptive Bit Rate logic your customers will enjoy a quick startup and robust performance for 7/24 or occasional use. Built in controls allow for pause, fast-forward, and rewind for both live and on-demand content.



```
<html>
<body>
  <div id="video_window"></div>
</body>
<script>
  PlayerConfig = {mpd: "http://PiXiE-E1.path1.com/manifest.mpd"};
  PixiePlayer = bitdash("video_window").setup(PlayerConfig);
  PixiePlayer.play()
</script>
</html>
```

PiXiE Player can be used from PiXiE-E1 Encoder login page
or embedded in your own web site using HTML snippet.

PiXiE Encoders and Decoders incorporate **MPEG-DASH** Adaptive Bit Rate technology so that setup is simple and performance is robust for long-haul video services. All PiXiE products use HTTP, the language of your browser, to work with CDNs and operate behind firewalls.

Path 1's innovative PiXiE products work together to reduce complexity and risks of real-time primary distribution and contribution. With attention to simple web user interfaces and compact form factors, PiXiE integrates into your application workflows with ease.

And, PiXiE Player delivers a great picture!



Specifications

	Platform	HTML5	Flash*	HLS
Desktop	Chrome >= 30 [1]	✓	✓	✗
	Chrome < 30 [1]	✗	✓	✗
	Safari 8 [2]	✓	✓	✓
	Safari < 8 [2]	✗	✓	✓
	Firefox [3]	✗	✓	✗
	IE 11 on Windows 8 [2]	✓	✓	✗
	IE < 11 [2]	✗	✓	✗
Mobile	ChromeCast [4]	✓	✓	✓
	Android >= 4.2 [5]	✓	✗	✗
	Android < 4.2	✗	✗	✓
	iPhone	✗	✗	✓
	Windows Phone	✓	✗	✗

Feature Details

MPD Types:	All (List, Timeline, Template, ..)
Video Codec	h.264
Audio Codec	AAC
Container	ISO Base Media File Format
Fallback Player	Flash Apple HLS & MP4
JavaScript API	YES [6]

Player Configuration

Supported (JSON)

Player Skinning and Branding

Supported (JSON)

Option

DRM Systems Widevine Modular, PlayReady, ClearKey.

Notes

Old/slow CPU, limited memory, etc. may limit performance!

Mobile Bitrate restriction to 1.5Mbps (dependent on device)

Flash Plugin fallback performance is limited < 30FPS.

[1] Chrome Bug on MSE 0.5 Implementation,

<https://code.google.com/p/chromium/issues/detail?id=119309#c28>

[2] Evaluated by bitmovin

[3] Firefox MSE Implementation, https://bugzilla.mozilla.org/show_bug.cgi?id=778617

[4] Chromecast, <https://developers.google.com/cast/docs/media>

[5] Media Source Extension in Chrome Android,

<http://blog.chromium.org/2013/08/chrome-30-beta-richer-web-on-android.html>

[6] <http://www.dash-player.com/support/javascript-api/>

* Flash Player Plugin will be used if JavaScript does not work .

Content Delivery **Simplified.**



www.path1.com

