

# Solbox Solplayer

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# 1. Concept

## 1.1. Solbox Solplayer

Solbox SolPlayer is an open source, an HTML5-based video player which can easily and quickly deliver video players from websites using video elements.

It works with Solbox CDN service and can provide a variety of high-quality streaming services to web, mobile and OTT device users.

### HTML5 Video Player - Solbox



## 2. Benefit

- Easy to create HTML5-based video players and provide them to online users
- Customizes control features for video services by interworking with Solbox CDN

## 2. Key Features

- Playback HTTP-based VOD & Live Video
- Video Playback Control
- Cross-browsing Support
- Skin Customization
- Close Captioning

### 2.1. Detailed Features

CATEGORY	TYPE	FEATURE SUPPORT	REMARKS
Service	Live	O	
	VoD	O	
	DVR	X	
Protocol	HLS	O	
	MPEG-DASH	O	
	CMAF	X	
	LL-HLS	X	
Security	DRM	O	

CATEGORY	TYPE	FEATURE SUPPORT	REMARKS
	Authorization	X	
	Watermarking	X	
	Encryption	X	
Skin	Basic	O	
	Custom	O	
Closed Caption	WebVTT	O	
	MPEG2-TS 608/708	X	






## 2.2. Browser Support

\* To run SolPlayer, the user's browser must support HTML5 video tags and MSE (Media Source Extensions) APIs.

### 2.2.1. HTML5 Video

Most browsers support the <video> tag. For IE (Internet Explorer), the web browser should be version 9 or higher.

The numbers in the table specify the first browser version that fully supports the <video> element.

Element					
<video>	4.0	9.0	3.5	4.0	10.5

**TIP**

You can check the detailed browser version at the link below.

- <https://caniuse.com/#video>

### 2.2.2. MSE (Media Source Extensions) API

	Desktop						Mobile					
	Chrome	Edge	Firefox	Internet Explorer	Opera	Safari	Android webview	Chrome for Android	Firefox for Android	Opera for Android	Safari on iOS	Samsung Internet
MediaSource	31	12	42	11	18	8	4.4.3	31	41	18	8	2.0

#### TIP

You can check the detailed browser version at the link below •

<https://caniuse.com/#feat=mediasource>

### 2.3. Supported Video Format

SolPlayer supports MPEG2-TS format in all browsers in addition to the MP4, WebM, and Ogg video formats supported by HTML5. The supported video formats for each browser are shown in the table below.

Browser	MP4	WebM	Ogg
Internet Explorer	YES	NO	NO
Chrome	YES	YES	YES
Firefox	YES	YES	YES
Safari	YES	NO	NO
Opera	YES (from Opera 25)	YES	YES

## 2.4. Media Type

<b>File Format</b>	<b>Media Type</b>
MP4	video/mp4
WebM	video/webm
Ogg	video/ogg