

General Specifications

Samsung Smart TVs support a Web-based application engine and rich media playback capabilities.

The following tables define the Web platform environment and the media formats supported by various Samsung Smart TV models and the TV emulator.

☐ Samsung Legacy Platform (2010 ~ 2014)

Type		Feature	2010		2011		2012		2013		2014 TV/AV & 2015 AV	
			TV/AV	SDK 1.5	TV/AV	SDK 2.5	TV/AV	SDK 3.5	TV/AV	SDK 4.5	TV/AV	SDK 5.1
Application Engine		HTML	HTML 4.01	HTML 4.01	HTML 5	HTML 5	HTML 5	HTML 5	HTML 5	HTML 5	HTML 5	HTML 5
		DOM	DOM2	DOM2	DOM2	DOM2	DOM3	DOM3	DOM3	DOM3	DOM3	DOM3
		CSS	CSS 2.1	CSS 2.1	CSS 3	CSS 3	CSS 3	CSS 3	CSS 3	CSS 3	CSS 3	CSS 3
		JavaScript	JavaScript 1.6	JavaScript 1.6	JavaScript 1.6	JavaScript 1.8	SquirrelFish	SquirrelFish	V8	V8	JSC	JSC
Flash	Browser Plug-in	SWF	Flash 8.0 FlashLite 3.1 ActionScript 2.0	Flash 8.0 FlashLite 3.1 ActionScript 2.0	Flash 8.0 FlashLite 3.1 ActionScript 2.0	Flash 10.1 ActionScript 2.0/3.0	Flash 10.1 ActionScript 3.0	Flash 10.1 ActionScript 3.0	Flash 11.1 ActionScript 3.0	Flash 11.1 ActionScript 3.0	Flash 11.1 ActionScript 3.0	No
	Standalone				Flash 10.1 ActionScript 3.0 (TV D6000 and higher, BD D6700 and higher noteonly)							
	AIR	AIR	No	No	AIR for TV 2.5.1	No	AIR for TV 2.5.1 (TV D6000 and higher, BD D6700 and higher only)	No	AIR for TV 3.0	AIR 3.0	AIR for TV 3.0	
	Streaming	Streaming	RTMP/RTMPe	RTMP/RTMPe	RTMP/RTMPe	RTMP/RTMPe	RTMP/RTMPe	RTMP/RTMPe	RTMP/RTMPe	RTMP/RTMPe	RTMP/RTMPe	
DRM		WMDRM 10 PD	Yes	No	Replaced with PlayReady	No	Replaced with PlayReady	No	Replaced with PlayReady	No	Replaced with PlayReady	Yes
		PlayReady	No		Yes		Yes		Yes		Yes	
		Widevine Classic	Yes		No		Yes (EU/US TV only)		Yes (TV only)			
		Verimatrix	No									
	Streaming	HTTP	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
		HTTPS										
		MMS*2										
		RTP/RTSP	No		No	No						
		HAS (XML metadata)	Yes		Yes	OIPF Rel2, MPEG2 TS only, AES-128	Yes	No	No	No	No	

VOD								No		No		No					
	Adaptive Streaming	MPEG-DASH (XML metadata)	No	No	No	No	Yes Fragmented MP4, PlayReady		Yes Fragmented MP4, PlayReady		Yes Fragmented MP4, PlayReady						
		HLS (M3U8 metadata)	Yes OIPF Rel2, MPEG2 TS only, AES-128		Yes OIPF Rel2, MPEG2 TS only, AES-128	Yes	OIPF Rel2, MPEG2 TS only, AES-128	Yes	OIPF Rel2, MPEG2 TS only, AES-128	Yes	OIPF Rel3, MPEG3 TS only, AES-128	Yes					
		HLS audio			No	No	No	No	No	No	No	No					
Live Streaming	Adaptive Streaming	HAS LS			Yes HLS v3, MPEG2 TS only, AES-128	Yes	Yes HLS v3, MPEG2 TS only, AES-128	Yes	Yes HLS v3, MPEG2 TS only, AES-128	Yes	Yes HLS v3, MPEG3 TS only, AES-128	Yes					
		WidevineLS											Yes	No	Yes	No	Yes
		Smooth Streaming LS											No			No	

Table 5. Samsung Legacy Platform features