






MULTIPLATFORM VIDEO PLAYER (MVP) – MOBILE SDK

The MVP Mobile SDK contains:

- Video player
- DRM compatibility
- Secure Download Manager
- Labgency Security System (LSS)






	 iOS	 Android	 Silverlight	 Win8/8.1	 Win10
Video Player					
• Live	✓	✓	✓	✓	✓
• Progressive download	✓	✓	✓	✓	✓
• Download for offline playback	✓	✓	✓	✓	✓
• Play, pause, seek Live & VOD	✓	✓	✓	✓	✓
• Thumbnail seek	Q4 2017	Q4 2017	--	--	--
• Multi audio tracks	✓	✓	✓	✓	✓
• Multi subtitle tracks	✓	✓	✓	✓	✓
• H264 hardware acceleration	OS>=8	OS>=4.4	✓	✓	✓
• H265 hardware acceleration	--	Q4 2017	--	--	--
• HTTP 2.0	Q4 2017	Q4 2017	--	--	--
• Container					
• asf	✓	✓	✓	✓	✓
• mp4, fmp4	✓	✓	✓	✓	✓
• mpeg2/ts	✓	✓	✓	✓	✓
• hls v1, v2, v3, v4, live	✓	✓	✓	--	--
• smooth streaming	✓	✓	✓	✓	✓
• dash vod/live(static & dynamic) profile	✓	✓	✓	✓	✓
• Video Codecs					
• wmv	✓	✓	✓	✓	✓
• h264 (base, main, high profile)	✓	✓	✓	✓	✓
• h265/hevc (version 10.x)	✓	✓	--	--	--
• Audio Codecs					
• wma/wav	✓	✓	✓	✓	✓
• aac, aac-lc, he-aac v1/v2	✓	✓	✓	✓	✓
• dolby ac3, ac3+	Q4 2017	Q4 2017	--	--	--
• dts 5.1	Q4 2017	Q4 2017	--	--	--
• Subtitles					
• mp4/fmp4: ttml/dfxp (basic support)	✓	✓	✓	✓	✓
• smooth: ttml/dfxp (basic support)	✓	✓	✓	✓	✓
• hls: webvtt	✓	✓	--	--	--
• dash: ttml/dfxp (basic support)	✓	✓	✓	✓	✓
• external subtitle (srt, ass)	✓	✓	--	--	--
DRM Compatibility					
• wmv/wdrm10	✓	✓	✓	✓	✓
• smooth/playready	✓	✓	✓	✓	✓
• hls/aes+playready (envelop mode)	✓	✓	--	--	--
• hls/aes+playready (discretix mode)	✓	✓	--	--	--
• hls/aes+playready (custom integrations)	✓	✓	--	--	--
• hls/verimatrix	✓	✓	--	--	--
• hls/fairplay	✓	--	--	--	--
• dash/playready	✓	✓	✓	✓	✓
• dash/verimatrix	✓	✓	--	--	--
• dash/widevine	Q4 2017	Q4 2017	--	--	--
• dash/marlin	✓	✓	--	--	--



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<i>Secure Download Manager</i>	 iOS	 Android	 Silverlight	 Win8/8.1	 Win10
• asf	✓	✓	--	--	--
• asf with lss protection	✓	✓	--	--	--
• mp4/fmp4	✓	✓	✓	✓	✓
• mp4/fmp4 with lss protection	✓	✓	✓	✓	✓
• hls	✓	✓	--	--	--
• hls/aes	✓	✓	--	--	--
• smooth streaming	✓	✓	✓	✓	✓
• dash	✓	✓	--	--	✓

The **Secure Download Manager** optimizes the process of downloading content and storing it to the device. For DRM protected content, it applies extra security constraints to harden the content to the device. It applies security measures and checks for offline playback to ensure that DRM protected content can only be played while the license is valid.

Labgency Security System (LSS)

Content is further secured utilizing our proprietary **Labgency Security System (LSS)** with the following features:

- HDMI/HDCP video output control
- Root/Jailbreak detection
- Device ROM integrity verification
- Proprietary secured communication over https (HSP)
- LSS proxy including
 - Certificate individualization
 - Revocation mechanism by device
 - Device ROM integrity management
- Final Product Agreement (FPL) for PlayReady DRM

LSS undergoes annual penetration/security tests and audits by third party security companies. It has been audited and tested by some of our customers, including validation by studios for use in their eScreener applications.



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