



## Multimedia Framework

Component name		Multimedia Framework (MMF)	
Category (IP/ Reusable)	IP	Component type (HW/SW/product etc)	SW
HW Platform	ARM-9E/X86 <sup>(1)</sup>	SW Platform / OS	Linux/Embedded Linux <sup>(2)</sup>
Applications / applicable products	Multimedia Applications / Consumer Electronics Devices		
Market/ industries applicable	Consumer Electronics		
Product Description	NeST multimedia framework is a plug-in based infrastructure platform for digital media. NeST Framework allows creating a variety of media-handling software components including audio and video playback. Framework makes it possible to write different plug-in modules accordingly.		
Technical specifications	Currently supported formats <ul style="list-style-type: none"><li>• H264 Decoder</li><li>• MP3 Decoder</li><li>• AAC Decoder</li><li>• MPEG2 PS De-multiplexer</li></ul>		
Features /benefits	<ul style="list-style-type: none"><li>• Simple and C callable API set</li><li>• Platform Independent <sup>(2)</sup></li><li>• Optimized implementation</li><li>• Easily portable to any platform</li><li>• Decoders can be accelerated</li><li>• Plug-ins can be used with other frameworks like (DirectShow/GStreamer/WMF) using wrappers. The current plug-ins are<ul style="list-style-type: none"><li>➤ H264 Decoder</li><li>➤ MP3 Decoder</li><li>➤ AAC Decoder</li><li>➤ MPEG2 Demultiplexer</li><li>➤ File Reader</li><li>➤ Audio Renderer</li><li>➤ Video Renderer</li></ul></li></ul>		
Readiness	Plug-ins available as libraries. Qt demo application available.		

- 1) Can be easily ported to any platform.
- 2) Other than renderers, all components are OS independent.
  - i) Renderers have to be modified according to OS, Windowing System (X / Frame Buffer / Direct X) and graphics acceleration.
  - ii) In most applications decoders will be accelerated/optimized in a hardware dependent way.