

Moonlight MPEG-2 Decoder on Nexperia/TriMedia SDK

Moonlight features the Moonlight MPEG-2 Decoder on Nexperia/TriMedia SDK which is a system on a chip (DSP) solution. The Moonlight MPEG-2 Decoder on Nexperia/TriMedia handles decoding of MPEG-2 video (ISO/IEC 13818-2).

Applications include: DVD, STB, PVR, DVR, DTV and many more.

The Moonlight MPEG-2 Decoder on Nexperia/TriMedia SDK includes:

- MPEG-2 Video Decoder
 - MPEG-2 Demultiplexer
- Audio MPEG Layer II/III decoder
 - * The objects are TSSA compliant

Moonlight MPEG-2 Decoder on Nexperia/TriMedia Features	
Profile and Level	"Main Profile@Main Level"
Maximum Bit Rate	Up to 15 Mbps
Resolution	CIF, Half-D1, Square pixel, Full-D1
Chroma Format	4:2:0
MPEG-1 Support	Yes
Advanced Tuning Control	Yes
Auto Tuning Mode	Yes
Multiple Instances	Allowed

Hardware Requirements						
	Resolution		CPU	MHz	Minimum Memory [size, Interface rate @ MHz]	Comments
	NTSC	PAL				
CIF	320x240	320x288	13xx	143 MHz	8MB @ 143Mhz	
HD1	352x480	352x576	13xx	180 MHz	16MB @ 166Mhz	
Full-D1	720x480	720x576	13xx	200 MHz	16MB @ 180Mhz	32MB is recommended
720p	1280x720p		15xx	Available Soon		
Notes:						
<ul style="list-style-type: none"> • Same requirements hold for TM 1300, PNX 1300 and PNX 1302 chips. PNX 15xx support in the near future. • The performances are related to maximum bit rate. • The performances are related to libraries (not for TSSA). • Required flash size: 1MB 						

Note:

- MPEG-1 video (ISO/IEC 11172-2) TSSA can be supplied upon request.