RK3308
Audio Codec
Benchmark

Ver. 1.0

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Index

History

Date	Author	Reviewer	Version	Description
2018.5.14	yhx	cch	1.0	Initialize all descriptions

Notice

All the data involved in this document will be in accordance with the development progress and possible changes without notice.

The features listed in this document may or may not be present in actual product, and may be subject to the third party licensing requirements.
Please contact Rockchip for actual product feature configurations and licensing requirements.

1 Audio

1.1 Audio Decoder

MPEG Audio	
Audio Codec	MPEG1/2/2.5 Audio Layer1/2/3
Channel	2
Bit rate	8kbps~320Kbps, CBR and VBR
File Format	MP1, MP2, MP3
Remarks	n.a

WAV Audio	
Audio Codec	MS-ADPCM, IMA-ADPCM, PCM
Channel	2
Bit rate	n.a
File Format	WAV
Remarks	Support 4bit MS-ADPCM,IMA-ADPCM

Vorbis Audio	
Audio Codec	Q1~ Q10
Channel	2
Bit rate	n.a
File Format	OGG, OGA
Remarks	n.a

FLAC Audio	
Audio Codec	Compress Level 0~8
Channel	2
Bit rate	n.a
File Format	FLAC
Remarks	n.a

AAC Audio	
Audio Codec	ADIF ,ATDS Header AAC-LC and AAC-HE, AAC-ELD
Channel	5.1
Bit rate	n.a
File Format	AAC, M4A
Remarks	n.a

AMR Audio	
Audio Codec	AMR-NB, AMR-WB
Channel	1
Bit rate	AMR-NB 4.75~12.2kbps@8kHz AMR-WB 6.60~23.85kbps@16kHz
File Format	3GP
Remarks	n.a

MIDI Audio	
Audio Codec	MIDI Type 0 and 1, DLS version 1 and 2, XMF and Mobile XMF, RTTTL/RTX, OTA, iMelody
Channel	2
Bit rate	n.a
File Format	XMF, MXMF, RTTTL, RTX, OTA, IMY
Remarks	n.a

1.2 Audio Encoder

AMR Audio	
Audio Codec	AMR-NB, AMR-WB
Channel	2
Bit rate	4.75kbps~12.2Kbps, CBR
Container	3GPP
Remarks	n.a

AAC Audio	
Audio Codec	AAC-ADTS-LC
Channel	1
Bit rate	4.75kbps~60Kbps, CBR
Container	AAC, 3GPP, Mpeg2TS
Remarks	n.a