RKNanoD SDK Codec benchmark V1.0

The RKNanoD Audio Decoding benchmark is listed as follows:

MP3 AUDIO

[Codec]:	MPEG1/2/2.5 Audio Layer 3, Layer2, Layer1
[Channel]:	2
[Bitrate]:	8 ~ 320Kbps, CBR and VBR
[Sample]:	8 ~ 48KHz
[Container]:	MP3
[ID3]:	ID3V1/ID3V2.3

WAV AUDIO

[Codec]:	MS-ADPCM, IMA-ADPCM, PCM
[Channel]:	2
[Compressed]:	4bit MS-ADPCM, 3bit/4bit IMA-ADPCM
[Bitrate]:	32Kbps ~ 1,536Kbps
[Sample]:	8 ~ 48KHz MS-ADPCM / IMA-ADPCM, 8 ~ 192KHz PCM
[Container]:	WAV

APE AUDIO

[Codec]:	Ver. 3.95, 3.97, 3.98, 3.99
[Channel]:	2
[Bit Per Sample]:	16bit / 24bi6
[Sample]:	8 ~ 96KHz
[Container]:	APE

FLAC AUDIO

[Codec]:	FLAC
[Channel]:	2
[Bit Per Sample]:	16bit / 24bit
[Sample]:	8 ~ 192KHz
[Exceptional]:	block_size > 4608
[Container]:	FLA

ALAC AUDIO

[Codec]:	M4A
[Channel]:	2
[Bit Per Sample]:	16bit / 24bit
[Sample]:	8 ~ 192KHz
[Exceptional]:	Enrties for sttc >192 or enrties for stts >128
[Container]:	MP4

OGG AUDIO

[Codec]:	OGG Q-1~Q10
[Channel]:	2
[Sample]:	8-48KHz
[Container]:	Vorbis
[Bitrate]:	32Kbps~500Kbps
[Container]:	OGG

The RKNanoD Audio Encoding benchmark is listed as follows:

WAV AUDIO

[Codec]:	MS-ADPCM, PCM
[Channel]:	1, 2
[Bitrate]:	4bit MS-ADPCM,16/24 PCM
[Sample]:	8-192KHz
[Exceptional]:	No
[Container]:	WAV

The RKNANO Image benchmark is listed as follows,

JPEG

[Codec]:	JPEG
[Compressed]:	Baseline
[Resolution]:	8000*8000
[Exceptional]:	Progressive jpeg
[Container]:	JPG

BMP

[Codec]:	BMP
[Resolution]:	8000*8000
[Exceptional]:	No
[Container]:	BMP

