

Image Decoder Support List

O refer to support
X refer to NOT support
SW refer to software decoder
P refer to planning (under development)

File Extension	Container	Audio Decoder (For MM Video)	MT8227 (Note 3**)
*.jpg	JPEG	baseline	O (H/W)
		progressive	O (H/W)
*.bmp	BMP	(Note 1**)	O (S/W)
*.png	PNG	(Note 2**)	O (S/W)
*.gif	GIF	static	O (S/W)
		animation	O (S/W)

Video Decoder Support List

O refer to support
X refer to NOT support

File Extension	Container	P/N	Video Decoder	Resolution	Frame/Sec	MT8227	Note
*.avi	AVI	DivX	Divx 3.11	1920x1080	30	O	Need
		DivX	Divx 4.x	1920x1080	30	O	Need
		DivX	Divx 5.1	1920x1080	30	O	Need
		MPEG 1/2/4	XviD	1920x1080	30	O	Need
		MPEG 1/2/4	MPEG1	768x576	30	O	Need
		MPEG 1/2/4	MPEG2 MP@HL	1920x1080	30	O	Need
		H.264	H.264 BP LV 4.0 (**2)	1920x1080	30	O	Need
		H.264	H.264 MP LV 4.0	1920x1080	30	O	Need
		H.264	H.264 HP LV 4.0	1920x1080	30	O	Need
		MPEG 1/2/4	MPEG-4 SP@HL 3.0	1920x1080	30	O	Need
MPEG 1/2/4	MPEG-4 ASP@HL 4.0 (**1)	1920x1080	30	O	Need		
	Generic(MTK)	Motion JPEG	(**4)	30	O		
*.wmv *.asf	ASF	VC1	Window Media Video v9	1920x1080	30	O	Need
		DivX	Divx 3.11	1920x1080	30	O	Need
		MPEG 1/2/4	XviD	1920x1080	30	O	Need
		MPEG 1/2/4	MPEG-4 SP@HL 3.0	1920x1080	30	O	Need
		MPEG 1/2/4	MPEG-4 ASP@HL 4.0 (**1)	1920x1080	30	O	Need
	VC1	VC-1	1920x1080	30	O	Need	
*.mp4 *.mov *.3gp	MP4	H.264	H.264 BP LV 4.0 (**2)	1920x1080	30	O	Need
		H.264	H.264 MP LV 4.0	1920x1080	30	O	Need
		H.264	H.264 HP LV 4.0	1920x1080	30	O	Need
		MPEG 1/2/4	MPEG-4 SP@HL 3.0	1920x1080	30	O	Need
		MPEG 1/2/4	MPEG-4 ASP@HL 4.0 (**1)	1920x1080	30	O	Need
		MPEG 1/2/4	H.263	1408x1152	30	O	Need
		Generic(MTK)	Motion JPEG (*.mov only)	(**4)	30	O	
*.mkv	MKV	H.264	H.264 BP LV 4.0 (**2)	1920x1080	30	O	Need
		H.264	H.264 MP LV 4.0	1920x1080	30	O	Need
		H.264	H.264 HP LV 4.0	1920x1080	30	O	Need
		MPEG 1/2/4	MPEG-4 SP@HL 3.0	1920x1080	30	O	Need
		MPEG 1/2/4	MPEG-4 ASP@HL 4.0 (**1)	1920x1080	30	O	Need
		VC1	Window Media Video v9	1920x1080	30	O	Need
		DivX	Divx 3.11	1920x1080	30	O	Need
		DivX	Divx 4.x	1920x1080	30	O	Need
		DivX	Divx 5.x	1920x1080	30	O	Need
		VP8	VP8	1920x1080	30	X	
	VC1	VC-1	1920x1080	30	O	Need	
*.mpg *.mpeg *.vro *.vob	PS (Program Stream)	MPEG 1/2/4	MPEG1	768x576	30	O	Need
		MPEG 1/2/4	MPEG2 MP@HL	1920x1080	30	O	Need
Others (ts)	TS (Transport Stream)	MPEG 1/2/4	MPEG2 MP@HL	1920x1080	30	O	Need
		VC1	VC-1	1920x1080	30	O	Need
		H.264	H.264 BP LV 4.0 (**2)	1920x1080	30	O	Need
		H.264	H.264 MP LV 4.0	1920x1080	30	O	Need
		H.264	H.264 HP LV 4.0	1920x1080	30	O	Need
		H.264	H.264 MVC	1920x1080	(**8)	X	Need
		AVS	AVS Jizhun Profile LV 6.0	1920x1080	30	O	
.rm	RM	RM	Legacy (rv10, rv13)	1920x1080	30	X	Need
		RM	RV G2 (rv20)	1920x1080	30	X	Need
		RM	RV 8 (rv30)	1920x1080	30	O	Need
		RM	RV 9 (rv40)	1920x1080	30	O	Need
		RM	RV 10 (rv40)	1920x1080	30	O	Need
.OGM	OGG	MPEG 1/2/4	MPEG2 MP@HL	1920x1080	30	X	Need
		MPEG 1/2/4	MPEG-4 SP@HL 3.0	1920x1080	30	X	Need
		MPEG 1/2/4	MPEG-4 ASP@HL 4.0 (**1)	1920x1080	30	X	
.FLV	FLV(**4)		Sorenson	352x288	30	X	
			VP6 (**7)	1920x1080	30	X	Need
		H.264	H.264 BP LV 4.0 (**2)	1920x1080	30	X	Need
		H.264	H.264 MP LV 4.0	1920x1080	30	X	Need
		H.264	H.264 HP LV 4.0	1920x1080	30	X	Need

Note:	
1	For MPEG4 ASP profile, B-VOP and 4MV are supported. GMC is supported but only one point is allowed.
2	For H.264 BP profile, No support for FMO, ASO & redundant slice.

Audio Decoder Support List

O refer to support
X refer to NOT support
P refer to planning (under development)

File Extension	Container	PN	Audio Decoder (For MM Video)	MT8222	MT8227	
*.avi	AVI	Generic(MTK)	wav: PCM / ADPCM / A-law PCM / u-law PCM	X	O(**5)	need
		Generic(MTK)	MPEG1 Layer1/2	O	O	need
		Generic(MTK)	MP3 (MPEG1 Layer3)	O	O	need
		H.264	MPEG2 AAC(AAC-LC)	O	O	need
		H.264	MPEG4 AAC-LC	O	O	need
		H.264	MPEG4 HE-AAC	X	O	need
		Dolby AC3 (DD)	AC3	O	O	need
*.wma *.wmv *.asf	ASF	Generic(MTK)	WMA v8	O	O	need
		Generic(MTK)	MP3 (MPEG1 Layer3)	X	O	need
		Generic(MTK)	WMA v9	X	O	need
		Generic(MTK)	WMA Pro	X	O	need
*.mp4 *.3gp	MP4	Generic(MTK)	MPEG1 Layer1/2	O	O	need
		Generic(MTK)	MP3 (MPEG1 Layer3)	O	O	need
		H.264	MPEG2 AAC(AAC-LC)	O	O	need
		H.264	MPEG4 AAC-LC	O	O	need
		H.264	MPEG4 HE-AAC	X	O	need
*.mpg *.mpeg *.vro *.vob	PS	Generic(MTK)	MPEG1 Layer1/2	O	O	need
		Generic(MTK)	MP3 (MPEG1 Layer3)	X	O	need
		Dolby AC3 (DD)	AC3	O	O	need
		Generic(MTK)	DVD LPCM	X	O	need
		Dolby AC3 (DD)	Dolby Digital EX, Dolby Digital Plus, Dolby TrueHD	X	O	need
Others (ts)	TS	DTS	DTS, DTS HD	X	O	need
		Generic(MTK)	MPEG1 Layer1/2 (MPEG2)	X	O	need
		H.264	MPEG2 AAC(AAC-LC) (H.264)	X	O	need
		H.264	MPEG4 AAC-LC (H.264)	X	O	need
		H.264	MPEG4 HE-AAC (H.264)	X	O	need
		Dolby AC3 (DD)	AC3 (MPEG2, ATSC, H.264)	X	O	need
		Dolby EAC3 (DDCO)	Dolby Digital Plus (H.264)	X	O	need
		Generic(MTK)	DVD LPCM	X	O	need
		Dolby EAC3 (DDCO)	Dolby Digital Plus, Dolby lossless	X	O	need
		DTS	DTS, DTS HD, DTS HD LBR	X	O	need
*.rm	RM	Generic(MTK)	DRA	X	O	need
		Dolby AC3 (DD)	dnet: AC3 (RealAudio3)	X	O	need
		Generic(MTK)	cook: COOK (RealAudio6)	O	O	need
		H.264	raac: MPEG4 AAC-LC (RealAudio9)	O	O	need
*.flv	FLV	H.264	racp: MPEG4 HE-AAC (RealAudio10)	X	O	need
		Generic(MTK)	MPEG1 Layer1/2	X	O	need
		Generic(MTK)	MP3 (MPEG1 Layer3)	X	O	need
		H.264	MPEG2 AAC(AAC-LC)	X	O	need
		H.264	MPEG4 AAC-LC	X	O	need
*.mkv	MKV	H.264	MPEG4 HE-AAC	X	O	need
		Generic(MTK)	wav: PCM / ADPCM / A-law PCM / u-law PCM	X	O(**5)	need
		Generic(MTK)	MPEG1 Layer1/2	O	O	need
		Generic(MTK)	MP3 (MPEG1 Layer3)	O	O	need
		H.264	MPEG2 AAC(AAC-LC)	O	O	need
		H.264	MPEG4 AAC-LC	O	O	need
		H.264	MPEG4 HE-AAC	X	O	need
		Dolby AC3 (DD)	AC3	O	O	need
		Generic(MTK)	WMA v8	O	O	need
		Generic(MTK)	DTS	O	O	need
*.flac	FLAC		FLAC	X	X	need