

$\frac{1}{4}$

				RMP200	DMC200	DMB400	DMB300	SMA300	SMH300	SMA200, SMT210, SMP 20	EEEB0X B202, LCAH	nt_ia32, nt5_ia32
				V2.50.70+	V3.12.10+	V4.10.10+	V3.12.10+	V3.12.20+	V3.12.43+	V3.12.10+	V3.11.12+	V3.12.10+
Supported ressources (1)												
		text/csv	.csv		✓	✓	✓	✓	✓	✓	✓	✓
		text/tab-separated-values	.tsv		✓	✓	✓	✓	✓	✓	✓	✓
		text/plain	.txt		✓	✓	✓	✓	✓	✓	✓	✓
		text/x-markdown	.md									
		application/vnd.ms-excel	.xls		✓	✓	✓	✓	✓	✓	✓	✓
		application/vnd.openxmlformats-officedocument.spreadsheetml.sheet	.xlsx		✓	✓	✓	✓	✓	✓	✓	✓
		text/xml, application/xml	.xml		✓	✓	✓	✓	✓	✓	✓	✓
		application/x-json	.json		✓	✓	✓	✓	✓	✓	✓	✓
		text/javascript	.js		✓	✓	✓	✓	✓	✓	✓	✓
		text/css	.css		✓	✓	✓	✓	✓	✓	✓	✓
		text/calendar	.ics	✓	✓	✓	✓	✓	✓	✓	✓	✓
		-	.ttf		✓	✓	✓	✓	✓	✓	✓	✓
		-	.otf									
		-	.eof									
		-	.woff									
		-	.ini									
		-	.db									
		-	.xmp									
		-	.xmpz									
		audio/x-mpeurl	.m3u									
		NC	.xspf									
Supported protocols												
	file			✓	✓	✓	✓	✓	✓	✓	✓	✓
	http[s]			✓	✓	✓	✓	✓	✓	✓	✓	✓
	ftp			✓	✓	✓	✓	✓	✓	✓	✓	✓
	jar			✓	✓	✓	✓	✓	✓	✓	✓	✓
	DVB-T receiver											
	UDP				✓		✓	✓	✓	✓	✓	✓
	RTP											
	RTSP											
	MMS											
	RTMP											
	MPEG DASH											

(1) : Inside containers, the following file types are not considered as medias but as resources, so not played

This tables are showing some of the performances of the Innes devices. You can check out wether your device does support properly the codec required.

dmb400**VIDEO**

Format	Profile	Levels	Max Resolution	Max Frame rate (fps)	Max BitRate (Mbps)	Remark
H.264	Baseline Profile	L1,L1.2,L1.3,L2,L2.1,3				
H.264	Main Profile	L3,L3.1,L3.2,L4,L4.1,L4.2				
H.264	High Profile	L3,L3.1,L3.2,L4,L4.1,L4.2,L5,L5.1		2160 @ 24 fps 1080p @ 60 fps		
MPEG-4	Simple Profile					
MPEG-4	Advanced Simple Profile					
MPEG-2	Simple Profile					
MPEG-2	Main Profile	L1,L2,L2.1,L3,L3.1,L4,L4.1, L5, L5.1		1080i @ 60 fps		
VC-1/WMV	Simple Profile					
VC-1/WMV	Main Profile					
VC-1/WMV	Advanced Simple Profile	L0, L1, L2, L3		1080 @ 30 fps		
H.265	Main Profile	L1,L2,L2.1,L3,L3.1,L4,L4.1, L5, L5.1		2160p @ 30 fps		
H.265	Main Profile 10	L1,L2,L2.1,L3,L3.1,L4,L4.1, L5, L5.1		2160p @ 30 fps		
VP8				1080p @ 60 fps		
VP9				1080p @ 60 fps		

Video media can be played only one at a time

A Video media inside a maff or wgt archive can not be decoded in case its metadata table is placed at its end. To solve the issue extract the video media from archive and add it as linked media instead or build the video media with its metadata table at the beginning (using a specific tool like ffmpeg)

VIDEO

Decoding of video inside Mkv container whose frames header is stripped is not supported

AUDIO

Whatever the format is, the best performances are reached when using 44.1KHz sample rate
Only mono or stereo audio are supported

IMAGE

Max resolution : 4096x4096

dmb300**VIDEO**

Format	Profile	Levels	Max Resolution	Max Frame rate (fps)	Max BitRate (Mbps)	Remark
H.264	Baseline Profile	L1,L1.2,L1.3,L2,L2.1,3				L3.1 may be supported where the used toolset is that one common to both Baseline and Main Profile
H.264	Main Profile	L1,L1.2,L1.3,L2,L2.1,3,L3,L3.1,L3.2,L4.1				
H.264	High Profile	L1,L1.2,L1.3,L2,L2.1,3,L3,L3.1,L3.2,L4.1	1080p, 720p	25	20	In vertical mode, 24fps is the maximum frame rate
MPEG-4	Simple Profile	L0,L1,L2,L3				
MPEG-4		DivX HD				DivX is based on MPEG4 Advanced simple profile but ignores the levels defined by MPEG4. There are two variants of DivX. The "certified" version does not require GMC or quarter pixel motion compensation prediction. The "non-certified" does support these features
MPEG-4	Advanced Simple Profile	L0,L1,L2,L3,L5	720p			At L5 resolution, only Simple Profile Toolset is supported
MPEG-2	Simple Profile	ML				
MPEG-2	Main Profile	Low, Main, High1440, High Level	1080i, 720p			
VC-1	Simple Profile	LL,ML				
VC-1	Main Profile	LL,ML,HL				
WM9	Simple Profile	LL,ML,HL				
WM9	Main Profile	Main	1080p, 720p			

Video media can be played only one at a time

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VIDEO + AUDIO

Webm video of Web page (like YouTube) is not supported (and its fallback mp4 as well)

Advised characteristics:

payasage mode : MP4 container, Video H.264 (high@L4.0) (CABAC/2 ref frames), 1920x1080@25fps, mean bitrate = 10Mbps, max bitrate = 20Mbps, Audio HE-AAC/LC

portrait mode : MP4 container, Video H.264 (high@L4.0) (CABAC/2 ref frames), 1920x1080@24fps, mean bitrate = 10Mbps, max bitrate = 20Mbps, Audio HE-AAC/LC

As described above, the profile H264 Baseline L4 (used by example when generating Mp4 video from a MS-PowerPoint media) is not supported. To work around in MS-PowerPoint environment, it is recommended to generate video into Wmv format inste

AUDIO

Whatever the format is, the best performances are reached when using 44.1KHz sample rate (in V3.10.34+)
Only mono or stereo audio are supported

IMAGE

Max resolution : 2048x2048

POWERPOINT

MS Powerpoint media can be played only one at a time
Supported resolution is 11,28x6,35 cm, which corresponds to 1280x720 resolution

SCROLLING OVERLAY

Models with scrolling text using overlay option can be played only one at a time

UDP

Restriction : only the first video pid and audio pid are extracted, and they must not change dynamicaly

Restriction: to ensure UDP stream decoding, ensure that the average bitrate is lower than [(8 * Frame Rate) / GOP value]. Note: GOP is also called "Intra frame interval

For example, if the Frame Rate = 25 picture frames/sec and GOP value = 12, the bitrate can not be upper than 16,66 Mbps. If not, change the GOP value to match this condition and decode properly the stream UI

TNT

Restrictions: French DVB-T profile "TNTHD" is not supported (not properly decoded)

dmc200 (hardware acceleration activated)**VIDEO**

Format	Profile	Levels	Max Resolution	Max Frame rate (fps)	Max BitRate (Mbps)	Remark
H.264	Baseline Profile	up to L3				
H.264	Main Profile	up to L4.1				
H.264	High Profile	up to L4.1	1080p, 720p	25	20	In vertical mode, 24fps is the maximum frame rate
MPEG-4	Simple Profile	up to L3				
MPEG-4		DivX HD				
MPEG-4	Advanced Simple Profile	up to L5	720p			At L5 resolution, only Simple Profile Toolset is supported
MPEG-2	Simple Profile	ML				
MPEG-2	Main Profile	Low, Main, High1440, High Level	1080i, 720p			
VC-1	Simple Profile	LL,ML				
VC-1	Main Profile	LL,ML,HL				
VC-1	Advanced Profile	up to L3	1080p, 720p			
WM9	Simple Profile	LL,ML,HL				
WM9	Main Profile	Main	1080p, 720p			

Video media can be played only one at a time

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VIDEO + AUDIO

Advised characteristics (only one video is supported at the same time)

payasage mode : MP4 container, Video H.264 (high@L4.0) (CABAC/2 ref frames), 1920x1080@25fps, mean bitrate = 10Mbps, max bitrate = 20Mbps, Audio HE-AAC/LC

portrait mode : MP4 container, Video H.264 (high@L4.0) (CABAC/2 ref frames), 1920x1080@24fps, mean bitrate = 10Mbps, max bitrate = 20Mbps, Audio HE-AAC/LC

As described above, the profile H264 Baseline L4 (used by example when generating Mp4 video from a MS-PowerPoint media) is not supported. To work around in MS-PowerPoint environment, it is recommended to generate video into Wmv format inste

AUDIO

Whatever the format is, the best performances are reached when using 44.1KHz sample rate (in V3.10.34+)
Only mono or stereo audio are supported

IMAGE

Max resolution : 2048x2048

POWERPOINT

MS Powerpoint media can be played only one at a time
Supported resolution is 11,28x6,35 cm corresponding to 1280x720 resolution

UDP

Restriction : only the first video pid and audio pid are extracted, and they must not change dynamicaly

Restriction: to ensure UDP stream decoding, ensure that the average bitrate is lower than [(8 * Frame Rate) / GOP value]. Note: GOP is also called "Intra frame interval

For example, if the Frame Rate = 25 picture frames/sec and GOP value = 12, the bitrate can not be upper than 16,66 Mbps. If not, change the GOP value to match this condition and decode properly the stream UI

TNT

Restriction: French DVB-T profile "TNTHD" is not supported (not properly decoded)

This tables are showing some of the performances of the Innes devices. You can check out wether your device does support properly the codec required.

sma300

VIDEO

Format	Profile	Levels	Max Resolution	Max Frame rate (fps)	Max BitRate (Mbps)	Remark
H.264	Baseline Profile	Fully compatible with the ITU-T Recommendation H.264 specification				
H.264	Main Profile	Fully compatible with the ITU-T Recommendation H.264 specification				
H.264	High Profile	Fully compatible with the ITU-T Recommendation H.264 specification	1080p			
MPEG-4	Simple profile (except GMC)					
MPEG-4	Advanced Simple profile (except GMC)					
MPEG-4	H.263 Baseline					
MPEG-4	Divx 3.0 to 6.0					
MPEG-2	Simple Profile					
MPEG-2	Main Profile	Fully compatible with ISO/IEC 13182-2 MPEG2 specification	1080p			
VC-1	Simple Profile	All VC-1 profile features-SMPTE Proposed SMPTE Standard for Television: VC-1 Compressed Video				
VC-1	Main Profile	All VC-1 profile features-SMPTE Proposed SMPTE Standard for Television: VC-1 Compressed Video				
VC-1	Advanced Profile	All VC-1 profile features-SMPTE Proposed SMPTE Standard for Television: VC-1 Compressed Video	1080p			

Video media can be played only one at a time

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In case progressive video, the video should be displayed on a surface on which the destination width and height are multiple of 8. If not, some pixels on the edge of the video will be lost.

(in case interlaced video, the width and height has to be multiple of 16 for the same reason)

AUDIO

Only mono or stereo audio are supported

IMAGE

Max resolution : 2048x2048

TRANSITION

Transitions between medias and area exit transitions are not supported

SWF

SWF is not supported. Contact sales@innes.fr for more information.

UDP

Restriction : only the first video pid and audio pid are extracted, and they must not change dynamically

Restriction: to ensure UDP stream decoding, ensure that the average bitrate is lower than $\lfloor (8 * \text{Frame Rate}) / \text{GOP value} \rfloor$. Note: GOP is also called "Intra frame interval"

For example, if the Frame Rate = 25 picture frames/sec and GOP value = 12, the bitrate can not be upper than 16,66 Mbps. If not, change the GOP value to match this condition and decode properly the stream UDP

sma200, smt210, smp200

VIDEO

Format	Profile	Levels	Max Resolution	Max Frame rate (fps)	Max BitRate (Mbps)	Remark
H.264	High Profile	up to L3.1	720p			
MPEG-4	Advanced Simple Profile		720p			
MPEG-2	Main Profile	ML	720p			

Video media can be played only one at a time

A Video media inside a maff or wgt archive can not be decoded in case its metadata table is placed at its end. To solve the issue extract the video media from archive and add it as linked media instead or build the video media with its metadata table at the beginning (using a specific tool like ffmpeg)

For all formats, video width in pixels must be a multiple of 8

AUDIO

Whatever the format is, the best performances are reached when using 44.1KHz sample rate (in V3.10.34+)

Only mono or stereo audio are supported

IMAGE

Max resolution : 2048x2048

TRANSITION

Transitions between medias and area exit transitions are not supported

UDP

Restriction : only the first video pid and audio pid are extracted, and they must not change dynamically

Restriction: to ensure UDP stream decoding, ensure that the average bitrate is lower than $\lfloor (8 * \text{Frame Rate}) / \text{GOP value} \rfloor$. Note: GOP is also called "Intra frame interval"

For example, if the Frame Rate = 25 picture frames/sec and GOP value = 12, the bitrate can not be upper than 16,66 Mbps. If not, change the GOP value to match this condition and decode properly the stream UDP

nt_ia32, nt5_ia32

VIDEO

Format	Profile	Levels	Max Resolution	Max Frame rate (fps)	Max BitRate (Mbps)	Remark
H.264						
VC1						
MPEG-2						
MPEG-4						

The performances depends on the platform processors (cpu and gpu), and if hardware acceleration is activated

If hardware acceleration is not activated, output resolution is limited to 1920x1080

Thus, the number of video possible at the same time can't be predicted

If acceleration is possible, it will be activated on MPEG-2, H264 and VC1. MPEG-4.2 uses only software decoding

A Video media inside a maff or wgt archive can not be decoded in case its metadata table is placed at its end. To solve the issue extract the video media from archive and add it as linked media instead or build the video media with its metadata table at the beginning (using a specific tool like ffmpeg)

AUDIO

Only mono or stereo audio are supported

POWERPOINT

The performances depends on the platform processors (cpu and gpu), so performances can't be predicted

UDP

Restriction : only the first video pid and audio pid are extracted, and they must not change dynamically

Restriction: to ensure UDP stream decoding, ensure that the average bitrate is lower than $\lfloor (8 * \text{Frame Rate}) / \text{GOP value} \rfloor$. Note: GOP is also called "Intra frame interval"

For example, if the Frame Rate = 25 picture frames/sec and GOP value = 12, the bitrate can not be upper than 16,66 Mbps. If not, change the GOP value to match this condition and decode properly the stream UDP

eeebox B202

VIDEO

Format	Profile	Levels	Max Resolution	Max Frame rate (fps)	Max BitRate (Mbps)	Remark
H.264			SD			
MPEG-2			SD			
VC-1			SD			

AUDIO

Only mono or stereo audio are supported

POWERPOINT

Supported resolution is 11,28x6,35 cm, which corresponds to 1280x720 resolution

TRANSITION

Transitions between medias and area exit transitions are not supported