

MPEG2 MPEG4 4:2:2/4:2:0 HD/SD IRD IRD-224-D-SH-E

Temix IRD-224-D-SH-A MPEG2/
MPEG4 SD/HD 4:2:0/4:2:2 IRD

is a high quality, professional,
flexible and really cost-effective solution for digital satellite uplinks.



Relevant features are:

- MPEG2/H.264 SD/HD 10bit/8bit 4:2:2/4:2:0 decoding
- 4:2:0 and 4:2:2(10bit) Decoding
- Ultra low latency as 100ms
- IP, ASI and RF (DVB-S/S2, ATSC, QAM and DVB-T) inputs
- Composite, Component, HDMI and HD-SDI outputs
- NTSC, PAL video formats
- Aspect ratio conversion for SD (4:3, 16:9)
- Analog 4 stereo outputs; 8 channel AES/EBU audio input
- Video Scaling (Up/Down/Cross)
- Control and monitoring via Web GUI and Front panel
- BISS descrambling (1 and E)

Benefits:

- High-End Decoding
- Low Latency 100ms
- Chroma Format 4:2:0 4:2:2
- DVB-S/S2
- Resolutions 1080p

*The Information included in this data sheet may
be changed without advise. rev_01/18

Video Decoding		
MPEG-2 SD	Profile	MP@ML(4:2:0) / 422@ML (4:2:2)
	Max video rate	80 Mbps
	Video format	480i@29.97 fps/576i@25 fps
MPEG-2 HD	Profile	MP@ML(4:2:0) / 422@ML (4:2:2)
	Max video rate	80 Mbps
	Video format	1080i@29.97 fps/25 fps, 720p@59.94 fps/50 fps
H.264 SD	Profile	MP@L3(4:2:0) / 422HP@L3 (4:2:2)
	Max video rate	80 Mbps
	Video format	480i@29.97 fps/576i@25 fps
H.264 HD	Profile	MP@L4 HP@L4 HP@L4.1(4:2:0) HIGH/HIGH10/HIGH422@4.1 (4:2:2)
	Max video rate	80 Mbps 50 Mbps CABAC, 85 Mbps CAVLC
	Video format	1080i@29.97 fps/25 fps, 720p@59.94 fps/50 fps
Chroma Format	4:2:0 / 4:2:2 (10bit)	
Bit Rate Mode	CBR, VBR	
Latency	100 ms typical	

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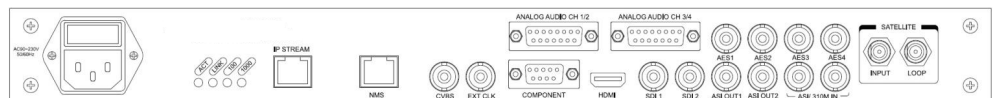
IRD-224-D-SH-E



- 2 x ASI , RF, IP video inputs
- HD-SDI outputs with embedded audio
- HDMI output
- Component Video output
- Analog 4 stereo outputs.
- IP Stream output
- Inputs – ATSC, ASI, QAM (Annex B)
- 8ch AES/EBU audio input

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Audio Decoding			
Audio Sampling rate	48kHz		
MPEG-1 Layer 2	1.0/2.0 decode / pass-through		
Dolby® Digital	Pro 2.0//5.1 decode / consumer 2.0 decode Plus 5.1/7.1 decode/5.1 decode &down-min to 2 2.0/5.1 pass-through//plus 5.1/7.1 pass-through E 2.0/5.1/7.1 pass-through		
AAC Audio	AAC-LC 2.0/5.1 decode / HE-AAC v1 5.1 decode HE-AAC v2 2.0 decode AAC-LC 2.0/5.1 pass-through		
RF Input			
Input Channel	1CH	Impedance	75Ω
IP Stream Input			
No. of Port	1 port	Connector	RJ-45
Format	100/1000BaseT	Max Input rate	188Mbps
ASI Input			
DVB-ASI	2 x BNC	SMPTE310M	
ASI Output			
DVB-ASI	2 x BNC		
Video Output			
Analog Output	Composite, Component		
Digital Output	HDMI x 1 , SDI x 2		
Resolutions	480i29.97, 576i25, 720p50/59.94, 1080p25/29.97		
SD Aspect Ratio	4:3, 16:9		
Audio Output			
Analog	Output	4 balanced stereo pairs	
	Freq. Range	20Hz ~ 20KHz	
	Impedance	600 Ω	
Digital	Output	Embedded SDI/HDMI	
	Sampling Rate	48 KHz	
IP Stream Output			
Interface Type	10/100/1000 Base-T		
Stream Protocols	UDP/IP, RTP/IP		
Broadcasting	Multicast, Unicast		
General			
Power Requirements	AC 90 - 230V, 50 - 60Hz		
Power Consumption	Max. 100W		
Weight	4.7 kg		
Operating Temper.	0°C....+50°C		
Dimension	19" x 1RU x 400 mm (W x H x D)		



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