

# AixSolve Sirius MPEG-H264 Transcoder

The AixSolve Sirius-Series stands for focus on core function in a small form factor. The products out of this series are designed for stationary or mobile usage. All of them could be configured and managed via Web, Telnet and SNMP.

The AixSolve Sirius *MPEG-H264 Transcoder* transcodes video signals from MPEG2 to H.264. The streams could be supplied via ASI or Ethernet. All versions are optional available with AES encryption.



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Video Transcoder	<ul style="list-style-type: none"> <li>• TS to TS Transcoding from MPEG-2 video to video conforming to H.264/AVC High Profile Level 4.0</li> <li>• MPEG-2 HD to H.264 HD/SD</li> <li>• MPEG-2 SD to H.264 SD</li> <li>• Time stamp re-addition</li> <li>• Two audio streams or less re-multiplex support</li> <li>• PSI re-multiplex support(Only SDT,EIT and TOT )</li> </ul>
Video Decoder	<ul style="list-style-type: none"> <li>• Conforms to ISO/IEC13818-2 (MPEG-2 Video) MP@HL.</li> <li>• 1920 × 1080 × 59.94i/50i</li> <li>• 1440 × 1080 × 59.94i/50i</li> <li>• 1280 × 720 × 59.94p/50p</li> <li>• 720 × 480 × 59.94i</li> <li>• 720 × 576 × 50i</li> <li>• Pixel format: 4:2:0, 8-bit, YCbCr</li> <li>• Encoding rate: Up to 25 Mbps</li> </ul>
Video Encoder	<ul style="list-style-type: none"> <li>• Conforms to ISO/IEC14496-10 (H.264/AVC) High Profile Level 4.0. <ul style="list-style-type: none"> <li>○ 1920 × 1080 × 59.94i/50i</li> <li>○ 1440 × 1080 × 59.94i/50i</li> <li>○ 1280 × 720 × 59.94p/50p</li> </ul> </li> <li>• Conforms to ISO/IEC14496-10 (H.264/AVC) Main Profile Level 3.0. <ul style="list-style-type: none"> <li>○ 720 × 480 × 59.94i</li> <li>○ 720 × 576 × 50i</li> </ul> </li> <li>• Pixel format: 4:2:0, 8-bit, YCbCr</li> <li>• Encoding rate: 2 to 20 Mbps</li> <li>• CBR/VBR support, Closed GOP selectable</li> </ul>
Audio Codec	<ul style="list-style-type: none"> <li>• MPEG-2 AAC (LC profile) 2-ch encoding/decoding</li> <li>• MPEG-1 Audio Layer 2 encoding/decoding **</li> <li>• Audio pass through</li> </ul>
Codec – System	<ul style="list-style-type: none"> <li>• MPEG2-TS encoding processing conforming to ISO/IEC13818-1 and Amd3</li> <li>• Multiplexing of Video1 stream + Audio1 stream</li> </ul>
Interfaces	<ul style="list-style-type: none"> <li>• 1 * ASI OUT @ BNC 75 Ohm</li> <li>• 1 * ASI IN @ BNC 75 Ohm</li> <li>• Ethernet (802.3) 1000/100/10 MBit/s</li> </ul>
Control & Management	<ul style="list-style-type: none"> <li>• WEB interface</li> <li>• SNMPv1</li> <li>• Telnet</li> </ul>
Power	<ul style="list-style-type: none"> <li>• 230VAC // 12V2A DC</li> </ul>
	<ul style="list-style-type: none"> <li>• LV Directive: <ul style="list-style-type: none"> <li>○ EN 60950</li> </ul> </li> <li>• EMC Directive: <ul style="list-style-type: none"> <li>○ EN55022, EN55024, EN61000-3-2</li> <li>○ EN61000-4-2,3,4,5,6,11</li> </ul> </li> </ul>
Part numbers	<ul style="list-style-type: none"> <li>• sir-t1-x-y</li> <li>• x = Audio option <ul style="list-style-type: none"> <li>○ 2-Channel MPEG-1 audio: x = a2 **</li> <li>○ 2-Channel AAC audio: x = aac</li> </ul> </li> <li>• y = Security option <ul style="list-style-type: none"> <li>○ AES encryption enabled: y = 1</li> <li>○ AES encryption disabled: y = 0</li> </ul> </li> </ul>

\*\* (MPEG Audio licence required)

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