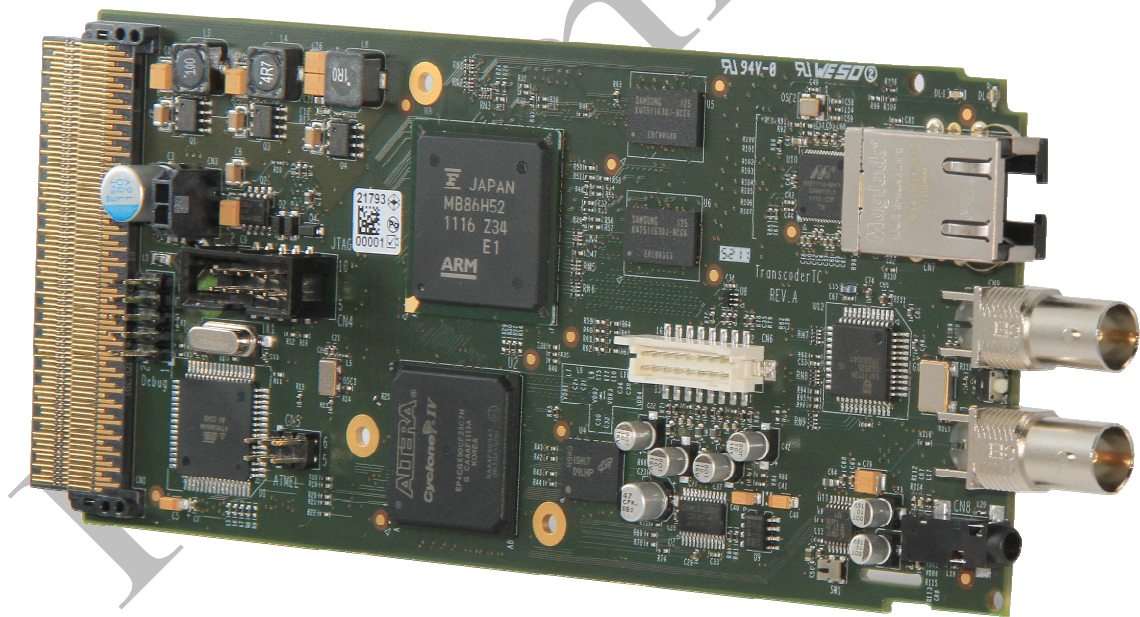


# AixSolve Orion *MPEG-H264* *Transcoder*

All products of AixSolve Orion-Series are compliant to the PICMG standards  $\mu$ TCA and AMC. This allows an easy combination with other AixSolve or 3<sup>rd</sup> party AMC products to a total solution according to customers' needs and requirements. All AixSolve Orion products could be configured and managed via Web, Telnet and SNMP.

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



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> </ul>
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	<ul style="list-style-type: none"> <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</li> <li>• 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> <li>• AMC</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>• 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 (89/336/EEC): <ul style="list-style-type: none"> <li>○ EN55022, EN55024</li> <li>○ EN61000-4-2,3,4,5</li> </ul> </li> </ul>
Part numbers	<ul style="list-style-type: none"> <li>• ori-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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