

AixSolve Perseus MPEG-H264 Transcoder

The AixSolve Perseus-Series is the cost effective multi channel streaming backend solution. Each blade can handle up to 6 channels. For more scalability and redundancy Perseus products could be arranged in clusters. With separated data and administrator network each channel could be configured individually via Web, Telnet and SNMP.

The AixSolve Perseus 6 channel *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"> • TS to TS Transcoding from MPEG-2 video to video conforming to H.264/AVC High Profile Level 4.0 • MPEG-2 HD to H.264 HD/SD • MPEG-2 SD to H.264 SD • Time stamp re-addition • Two audio streams or less re-multiplex support • PSI re-multiplex support(Only SDT,EIT and TOT)
Video Decoder	<ul style="list-style-type: none"> • Conforms to ISO/IEC13818-2 (MPEG-2 Video) MP@HL. • 1920 × 1080 × 59.94i/50i • 1440 × 1080 × 59.94i/50i • 1280 × 720 × 59.94p/50p • 720 × 480 × 59.94i

The content of this datasheet is furnished for informational use only, is subject to change without notice, and should not be construed as a commitment.

	<ul style="list-style-type: none"> • 720 × 576 × 50i • Pixel format: 4:2:0, 8-bit, YCbCr • Encoding rate: Up to 25 Mbps
Video Encoder	<ul style="list-style-type: none"> • Conforms to ISO/IEC14496-10 (H.264/AVC) High Profile Level 4.0. <ul style="list-style-type: none"> ○ 1920 × 1080 × 59.94i/50i ○ 1440 × 1080 × 59.94i/50i ○ 1280 × 720 × 59.94p/50p • Conforms to ISO/IEC14496-10 (H.264/AVC) Main Profile Level 3.0. <ul style="list-style-type: none"> ○ 720 × 480 × 59.94i ○ 720 × 576 × 50i • Pixel format: 4:2:0, 8-bit, YCbCr • Encoding rate: 2 to 20 Mbps • CBR/VBR support • Closed GOP selectable
Audio Codec	<ul style="list-style-type: none"> • MPEG-2 AAC (LC profile) 2-ch encoding/decoding • MPEG-1 Audio Layer 2 encoding/decoding ** • Audio pass through
Codec – System	<ul style="list-style-type: none"> • MPEG2-TS encoding processing conforming to ISO/IEC13818-1 and Amd3 • Multiplexing of Video1 stream + Audio1 stream
Interfaces	<ul style="list-style-type: none"> • 1 * ASI OUT @ BNC 75 Ohm • 1 * ASI IN @ BNC 75 Ohm • Ethernet (802.3) 1000/100/10 MBit/s • AMC
Control & Management	<ul style="list-style-type: none"> • WEB interface • SNMPv1 • Telnet
Power	<ul style="list-style-type: none"> • 230V AC
CE	<ul style="list-style-type: none"> • LV Directive: <ul style="list-style-type: none"> ○ EN 60950 • EMC Directive (89/336/EEC): <ul style="list-style-type: none"> ○ EN55022, EN55024 ○ EN61000-4-2,3,4,5
Part numbers	<ul style="list-style-type: none"> • per-6t1-x-y • x = Audio option <ul style="list-style-type: none"> ○ 2-Channel MPEG-1 audio: x = a2 ** ○ 2-Channel AAC audio: x = aac • y = Security option <ul style="list-style-type: none"> ○ AES encryption enabled: y = 1 ○ AES encryption disabled: y = 0

** (MPEG Audio licence required)

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