Product information

WISI GI01R4430

INCA 4430 Triple-card modular chassis with redundant power supply

Description

The extremely flexible WISI platform Inca 4400 for linear & multibitrate transcoding allows network operators to optimize transport streams, manage bandwidth efficiently and monitor their TV and video offers. It supports all operators that wish to extend their offers towards multiscreen applications. They can optimize the formats, resolution and bitrate of large numbers of live satellite, IP and off-air digital sources for delivery to set-top-boxes or multiscreen end devices. Options include modular platforms with up to three bays that can transcode, transrate or downscale up to 36 HD or 90 SD programs to MPEG-4, in just one rack unit of space, with integrated grooming and monitoring of all streams. New are features such as service fail over and high density (up to 128 Audio PIDS) multilingual audio transcode for both ABR and linear applications. WISI now has built VidiOS into every INCA product. VidiOS™ supports the intelligent monitoring and visualization of transport streams at each step of the flow. It also monitors streams that are generated by other equipment. In addition VidiOS supports extensive statistical analysis and provides the operator with an instant overview if a transport stream is available in his network.

At a glance:

- VIDIOS™ stream analysis
- MPEG-4 & MPEG-2 Sources & Outputs
- GigE, 8VSB
- High density linear transcoding
- Multi-Profile ABR
- Adaptive Bitrate Support
- Auto Failover to Backup Services
- Multiple 1RU Chassis Options

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Technical data	
Expansion Module Bays	
Hardware Transcoding - Linear	Up to 36x HD, 90x SD sources
Hardware Transcoding - ABR	Up to 72x Profiles
VidiOS™ Transport Stream and Video processing	
Input and Output	MPEG-2 SPTS/MPTS Transport Stream input, SPTS Output HD & SD, MPEG-2 & MPEG 4 AVC Input and Output Payload Multicast / Unicast UDP IP
Output Streams	128
Transcoded Outputs	up to 90
Direct/Probe Outputs	10 (Optional 48 (4410, 4420, 4430) or 96 (4420,4430))
PID and Program Filter and Remap	Yes
Jitter correction	Yes
Strip Null Padding	Yes
Multiplex Modes	Constant, Variable, Peak
TS Mux Rate VBR <--> CBR Conversion	Yes
Closed Captions	EIA 608/708 passed through if present in source
DVB Subtitle Burn In	Yes
DVB Subtitle PID	Passed through if present in source (can be filtered out)
Data PIDs	Passed through if present in source (can be filtered out)
Management functionality	
VidiOS™ Web Based User Interface	Yes
Inca All Seeing Eye Probe Capability	Included
SNMP Trap Forwarding	Yes
Network Interfaces	
Management	1000 Base-T
Video	8x 1000 Base-T standard, 2x 10 Gig SFP + optional
NIC Redundancy	Yes (LACP, Active Failover, Round Robin)
Audio Transcode	
Source Codecs	AC-3, EC-3, AAC (ADTS & LATM), MPEG-1/2 Audio Layer I/II
Source Channels	7.1, 5.1, 2.0, 1.0
Output Codecs	AAC (ADTS & LATM), MPEG-1/2 Audio Layer I/II
Output Channels	2.0, 1.0
Audio PID Pass-through	Yes
General data	
Power supply	Dual Redundant Hot Swap
Supply voltage	100...240 V (50/60 Hz)
Power consumption	typ. <250 W
Montage	19", 4 Post Rack, 1 RU, Slide Rails Included
Rack Rail Depth	620...805 mm 24.4"...31.8"

Technical data	
Operating temperature range	0...40 °C
EMC Standards	FCC Part 15 Class A
Safety compliance	CSA/UL 60950-1

Packaging data	
Sales unit	1 pcs.
Dimensions (WxHxD) sales unit	438 x 44 x 580 mm (19" x 1,75" x 22,8"), (Optional rear brackets available for mounting unit in shallower racks)
Packaging volume sales unit	dm³
Gross weight sales unit	16 kg (35,3 lb)
Shipping unit	1 pcs.
Dimensions (WxHxD) shipping unit	mm
Packaging volume shipping package	dm³
Gross weight shipping unit	kg
EAN	4010056744328
Article number	74432
Customs tariff number	85176200