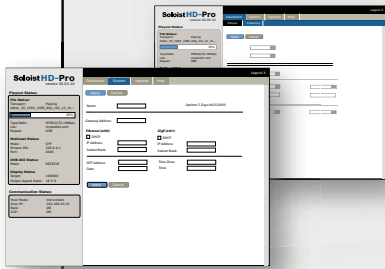# Soloist™-HD Pro

Broadcast Decoder

The Soloist-HD Pro is a broadcast quality High Definition MPEG 2 and AVC decoder. Multi-CODEC decoding has never been easier or more reliable. The Soloist-HD Pro supports ASI, GIGE and Hard Drive Transport Stream decoding. Video outputs include D1(composite), HDMI with HDCP and HD-SDI with embedded audio. Decode MPEG 2 SD 422, HD 420, AVC SD and HD video. Audio decoding includes a single stereo channel of Dolby Digital, Dolby 5.1*, MPEG 1 Layer 2 and AAC-LC audio. Output broadcast quality video with embedded stereo audio on the HD-SDI interface and to consumer monitors with the HDMI interface. Composite D1 video and balanced analog audio are also supported for legacy NTSC or PAL environments. The decoder can down convert HD 1080i or 720 P to Composite or SDI.

features

● **Decode MPEG-2 and AVC High Definition:** Step up to stunning high definition decoding of AVC/H.264 and MPEG-2

● **ASI Decode:** Use the included ASI interface to decode a live transport stream

● **GIGE Decode:** Use the included GIGE interface to decode a live transport stream

● **Hard Drive Decode:** The Soloist-HD Pro includes a built in hard drive with a command interface and scheduler that can play a list or scheduled transport streams

● **Automatic Fallback with Signal Loss:** The Soloist-HD Pro will fall back to hard-drive playout if a signal is lost.

● **High and Standard Definition:** Decode both SD and HD content with the Soloist-HD Pro

● **Up and Down Conversion:** Scale video up or down from NTSC to 1080i60.

● **Sound Professional:** Decode stereo MPEG 1 Layer 2, Dolby Digital and decode or down-mix Dolby 5.1

Buy Now!
VISA　MasterCard　AMEX　PayPal　Cirrus

ADTEC Digital

Related Products

mediaHUB-HD 422:
High and Standard Definition Multi-CODEC Contribution and Distribution Encoder
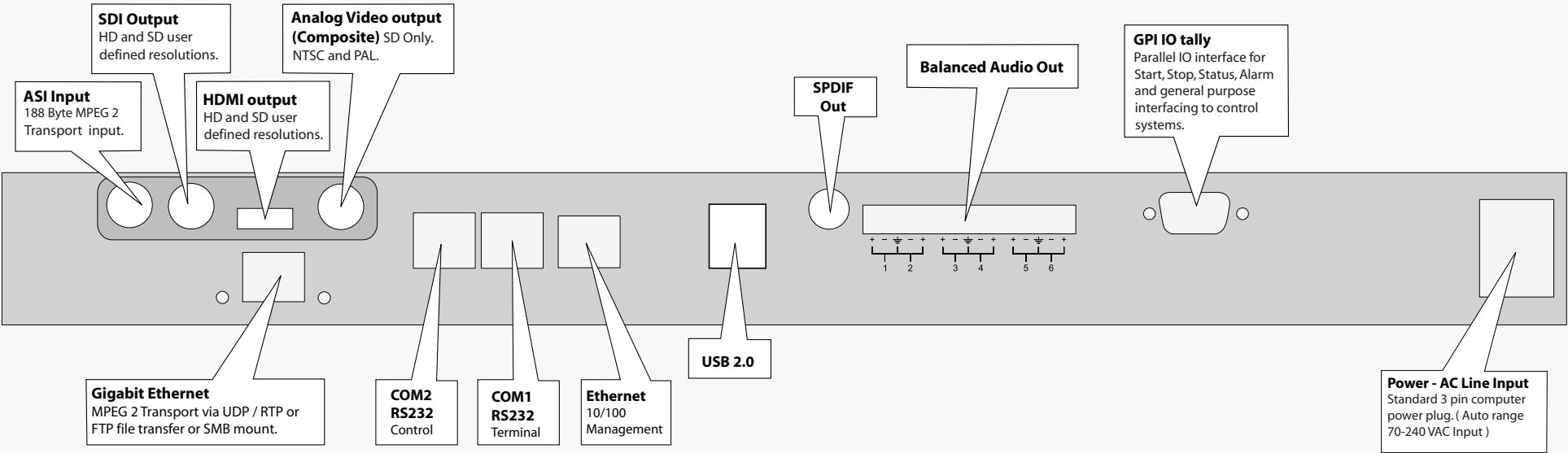
mediaHUB-HD Pro:
High and Standard Definition Contribution and Distribution Encoder

DTA-3050:
Digital turn around router for transporting MPEG 2 via ASI and IP sources to ASI, SMPTE-310 and IP outputs

Soloist™-HD Pro Broadcast Decoder

ADTEC Digital

SDI Output
HD and SD user
defined resolutions.

**Analog Video output
(Composite)** SD Only.
NTSC and PAL.

GPI IO tally
Parallel IO interface for
Start, Stop, Status, Alarm
and general purpose
interfacing to control
systems.

ASI Input
188 Byte MPEG 2
Transport input.

HDMI output
HD and SD user
defined resolutions.

**SPDIF
Out**

Balanced Audio Out

+ − +   + − +   + − +
1   2   3   4   5   6

USB 2.0

Gigabit Ethernet
MPEG 2 Transport via UDP / RTP or
FTP file transfer or SMB mount.

**COM2
RS232**
Control

**COM1
RS232**
Terminal

Ethernet
10/100
Management

Power - AC Line Input
Standard 3 pin computer
power plug. (Auto range
70-240 VAC Input)

Soloist™-HD Pro *Broadcast Decoder* Technical Specifications

Transport
ISO13818-1 188 Byte Transport Stream
Sources: ASI, GIGE, Hard Drive

Resolutions
Standard Definition (SD):
    NTSC, PAL

High Definition (HD):
    720P 60/50, 1080i 60/50

Decode Up and Down conversion SD to and from HD

Video Aspect Format:
    Auto, 4x3 or 16x9

Video Interfaces
    SDI, SMPTE 259M (SD)
    HDSDI, SMPTE 292M (HD)
    HDMI with HDCP

Standard Definition (SD) Decode
    MPEG 2 SD: MP@ML up to 15 Mbs
    MPEG 2 SD: 422P@ML up to 50 Mbs
    AVC/H.264: MP@L3.1 up to 10 Mbs

High Definition (HD) Decode
    MPEG 2 HD: MP@HL up to 60 Mbs
    AVC/H.264 HD: MP@L4.1 and HP@L4.1 up to 20 Mbs

Audio Interfaces
SDI Embedded stereo audio pair per SMPTE 272M (SD)
or SMPTE 299M (HD) based on target video resolution

Analog audio on balanced stereo 5 Pin RST

HDMI

Audio Outputs: simultaneous embedding on HDSDI, HDMI and
Analog balanced output

Audio Decode
Dolby Digital AC-3:
    Bit rates up to 640kbps. Sample rates of 32,
        44.1 and 48KHz. Multi-channel 5.1 downmix.

MPEG 1 and MPEG 2 Layer I, II and III (MP3) 2.0:
    Bit rates up to 448kbps (Layer I), 384kbps
        (Layer II) or 320kbps (Layer III).
    Sample rates of 16, 22.05, 24, 32, 44.1 and 48KHz.
    Single channel, dual channel, joint stereo and
        stereo modes.

AAC-LC MPEG-2 and MPEG-4:
    Bit rates up to 384kbps.
    Sample rates of 7.35, 8, 11.025, 12, 16, 22.05, 24,
        32, 44.1 and 48KHz.

Host Platform
    Storage: 160GB hard drive
    Embedded Linux real time operating system
    Power: 70-240 VAC 50-60Hz and 65 Watts
        (20 Watts typical)
    Size: 1RU rack mount chassis.
        19in. wide, 1.75in. high, 10in. deep
    Weight: 8 lbs (3.6 Kg)
    Environmental:
        Active cooling (Fans)
        0 to 90 Degrees Fahrenheit
        Less than 70% RH
        Non-Condensing

Communications and Control
    Ethernet 10/100
    GIGE
    Ethernet Protocols:
        HTTP, Telnet, FTP, UDP/RTP, NTP
    Serial Communications:
        2-RS232 (38400-115,200K, 8, 1 N)

Front Panel
Keypad:
    Mode, Select, Enter, Escape, Up, Down, Left, Right

Blue Translucent LCD:
    (20 characters by 2 rows)

Host Status LEDs:
    Power, Alarm, Link, Busy, Storage.

Status LEDs:
    Play, Mulitcast, Video, Audio, Resolution, Alarm

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