Overview

The Verona™ IP+ASI/HD-SDI x4 is a modular four channel professional broadcast digital TV decoder. It has five slots. Each slot can have a power supply module or a decoder module. The typical application uses one AC power supply and up to four decoder modules.

Each decoder module can have an IP input, DVB-ASI input, or DVB-S-S2 input. Uncompressed video is available as SDI or HD-SDI. IP outputs can have up to five transport streams. A useful feature is its ability to automatically switch between RF and IP inputs.

Designed to support all the industry standard forms of the DVB standard, the Verona supports 576i/480i, 576p/480p, 720p and 1080i decoding. Audio output is available through embedded audio and AES-3 BNC connectors. The compressed audio on the BNC has a Dolby AC-3 with 5.1 channels.

Applications

- Multichannel off air terrestrial receiver
- Multichannel MPEG-2/4/H.264 HD Decoder
- HD-SDI file playback
- Content repurposing
- RF to IP with RFC 3022 out
- Multichannel IP decoder
Specifications

Front Display/Keys
- 2 lines by 40 characters LCD
- 11 keys for Easy Control
- ENTER, EXIT, ARROW, and Slot Selection Keys

Slots
- Five slots for power supply module and decoder modules

DVB-S2/S RF Input
- Channel: 950-2150 MHz RF Selectable
- Connector: 2 x 75 Ohm BNC-type Connector (8VSB/QAM or DVB-T/T2 options available)
- Symbol Rate: DVB-S2 (8PSK/QPSK): 10 ~ 30 Msps
- DVB-S (QPSK): 2 ~ 45 Msps

Digital Audio Output
- Choose either PCM mode or COMPRESSED audio output mode for MAIN channel. The chosen audio mode is used for all BNC output ports. You can have PCM mode only for the SUB channel.
- You may have COMPRESSED audio out of MAIN channel over BNC port and PCM audio out of SUB channel over BNC port.
- Output supports 2 channels, not 5.1

Audio Decoding Standard
- ISO/IEC 14496-3:2009 (MPEG-4 HE AACv2)

TS Output
- Format: DVB-ASI or IP
- Connectors: 75 ohm BNC, RJ-45
- Decoding Standard: ISO/IEC 14496-10:2012 (MPEG-4 AVC/H.264)

Digital Video Output (SDI, HD-SDI)
- SMPTE259M/SMPTE292M with embedded audio (SMPTE-299M) with SCTE 104/35

Management Ethernet
- 10/100/1000 Mbps
- MPEG over RTP/UDP
- FEC supported (Pro MPEG) (IP in)

Management Ethernet
- 10/100/1000 Mbps
- SNMP, Web-browser manager

Conditional Access
- BISS-1/E and DVB-CI

Network Management
- NMS supported through SNMP

CPU and RAM
- MIPS 300 MHz 32 bit RISC

Unit
- 1 RU 19-inch rackmountable

Operating Temp.
- +0 ~ +45°C (32 to 113°F)

Storage Temperature
- -20 ~ +50°C (-4 to 122°F)

Operating Humidity
- 10 to 90%, Non-condensing

Power Supply Module
- AC 100-240V~ 50-60Hz 120W max
- DC 12V 8A max output

Dimensions
- HxWxD: 1.7 x 19 x 16.9 inches
- (4.3 x 48.26 x 42.93 cm)

Weight
- 14.1 lbs. (6.396 kg.)

Conformities
- FCC, RoHS
- Low Voltage Directive 2006/95/EC

Ordering Info

Verona IP+ASI/HD-SDI x4
Verona IP+ASI/HD-SDI x4/PS – replace one or more tuner modules with an additional power supply
Also available:
Verona 4 Tuner 8VSB/HD-SDI+IP
Verona 4 Tuner QAM/HD-SDI+IP
Verona 4 Tuner S+S2/HD-SDI+IP
Verona 4 Tuner T+T2/HD-SDI+IP
Verona-MF – Multiformat: T+T2, S+S2, and/or 8VSB/QAM

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