



## UID-2912 Universal IP Decoder



The UID-2912 professional MPEG-2 IP dense decoder enables cable operators to simulcast content to digital and analog subscribers over a single video IP/ASI distribution network

### Applications

The UID-2912 Universal IP Decoder is designed to support edge decoding applications in the digital simulcast environment, enabling gradual analog-to-digital subscriber migration.

### Product Highlights

- 12 MPEG-2 decoders in a true 1RU chassis
- Up to 6 different transport streams over IP
- 2 ASI Inputs
- Dual GbE ports for sub-second link redundancy
- Sub-second logical redundancy
- IGMPv2 and IGMPv3 with port filtering
- Multiple VBI standards
- Primary and secondary audio, stereo and Dolby 2.0 channels
- Telnet, Web-based and SNMP management
- Hot-swappable and redundant decoder cards and power supply
- Emergency Alert System (EAS) – SCTE-18

### Business Benefits

Supports gradual and affordable subscriber migration from analog to digital

High decoding capacity -  
12 decoders - in a compact  
1RU chassis

Market-leading Scopus decoding  
technology for outstanding audio  
and video quality

Full set of networking technologies  
for excellent QoS

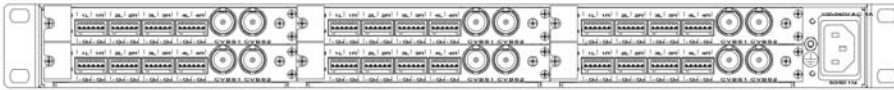
Ensures the highest level  
of service availability

Integrates seamlessly with  
market-leading network  
management systems

Integrates with Scopus  
NMS - 4000, for central  
management and control



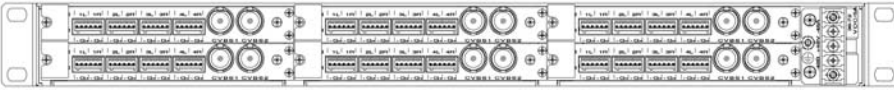
AC Front Panel



AC Rear Panel



DC Front Panel



DC Rear Panel

## UID-2912 Product Specifications

### MPEGoIP Input

- Maximum TS bit rate: 80Mbps
- Sub-second link redundancy
- Sub-second logical (source) redundancy (6+6)
- Ethernet/IP/UDP encapsulation
- IGMPv2, IGMPv3
- L3, L4 filtering (port filtering)
- Network de-jittering using size-configurable buffers
- 12 concurrent de-jittering buffers
- Fixed IP packet size (1-7 MPEG packets) support
- Variable IP packet size support
- Interfaces:
  - Dual 100/1000 Base-T, RJ-45, auto-negotiation, auto MDI/MDXI crossover
  - Dual SFP, MM, SR (Agilent, Finisar)\*
- RMON statistics (L2)
- L3 statistics

### Dual Decoder Card

#### General

- Hot swappable
- Save / recall configuration file
- EAS (Emergency Alert System) / SCTE-18 (optional): Slate switching, Text scrolling, Integration with major EAS servers

#### Video Output

- Number of decoders: 2
- Analog video interfaces: 2 BNC connectors
- Video formats: NTSC, PAL-B/G/I/M/N/D
- Decoding: 4:2:0 MP@ML (1.5-15 Mbps)
- Video resolution interpolation: Pan-scan, letter box or pass-through
- Aspect ratio: 4:3/16:9
- Graphic processing: DVB subtitling, EBU (Teletext) subtitling

#### VBI Re-insertion in Composite Video

- WST Teletext and inverted Teletext
- WSS, VPS, VITC, CC, Nielsen AMOL I, AMOL II, V-CHIP, TVGuide
- Enhanced VITS with built-in generator

#### Audio

- 2 analog audio stereo balanced interfaces Phoenix Micro Combicon 6-pin connector
- Primary and secondary audio (SAP)
- Modes: Stereo, joint stereo, dual channel, single channel
- Max analog output level: +18 dBu at 16Ω load
- Attenuation control: -64 dB to 0 dB and mute
- Dolby Digital (AC-3) LT/RT downmixing

### Control and Monitoring

#### Control

- Management interface: 10/100 Base-T, RJ-45
- Web-based management
- SNMP
- 3 GPI dry contacts, DB-9 male
- Remote service interface: 10/100 Base-T, RJ-45
- Local service interface: RS-232, DB-9 male
- Software download (FTP, TFTP, local service interface)

#### Monitoring

- Front panel status LEDs
- Decoder card status
- Power supply status
- Internal voltage
- Temperature
- Fan RPM

### Compliance

#### EMC

- FCC part 15 (class A)
- EN55013 (CISPR 13)
- EN55020 (CISPR 20)
- EN55022 (CISPR 22)
- EN55024 (CISPR 24)
- CB

#### Safety

- UL60950
- EN60950
- CB (IEC60950)
- GS
- cTUVus

### Environment

#### Operation

- Temperature: 0°C - 50°C
- Humidity: 5% - 85% (non-condensing)

#### Storage and Transportation

- Temperature: -40°C- 70°C
- Humidity: 0% - 95% (non-condensing)

### Physical Characteristics

#### Size

- 1RU (19" rack)
- Dimensions (H x W x D): 4.4 cm x 48.3 cm x 56.2 cm (1.75" x 19" x 22")

#### Weight (fully equipped)

- 10.5 kg (23.1 lbs)

#### Power

- Single 90-264V AC, 50/60Hz
- Dual hot-swappable load shared 36V-72V DC

- Max power consumption: 120W (fully equipped)

#### \* Modules are not included

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