



IRP-3900 Series Professional Receiver Processor



The versatile Scopus IRP platform is specifically designed as an ideal receiver solution for decoding and digital turn around processing applications. It ensures reliable content contribution and distribution over IP, ASI or satellite infrastructure for content providers, broadcasters as well as cable, telco, and terrestrial operators.

The Integrated Receiver Processor (IRP) platform combines a dense receiver that uses a variety of front ends, a dual decoder, a TS descrambler and a strong re-multiplexer in a compact 1RU device. The IRP can easily be configured to provide the specific capabilities that best meet each operator or broadcaster's needs

IRP Models

All models include a multi-program descrambler, a TS processor and a re-multiplexer with ASI and GbE inputs/outputs

- IRP Multi-Format Decoder - MPEG-2/H.264 decoder series for HD and SD resolutions
- IRP TS Processor - Multi-program descrambler, re-multiplexer and streamer
- IRP Transmodulator - Transmodulator from multiple DVB-S/S2 ASI inputs to multiple QAM outputs

***Note:** Check availability with your sales representative

Series Highlights

- Single/dual channel decoder for MPEG-2 /H.264 for HD/SD resolutions
- Variety of front ends including multiple DVB-S/S2, ASI, and GbE
- Two integrated DVB common interfaces allow descrambling of up to 2 full transport streams
- Strong multiplexing capabilities including PID/service filtering
- Re-generation of MPTS to multi-MPTS/SPTS
- Up to 10 ASI inputs along with grooming capabilities for ASI aggregation to IP output
- Up to 8 ASI outputs for DTT distribution
- Dual GbE outputs for IP streaming
- Up to 8 QAM outputs for transmodulator applications
- Web-based management and SNMP monitoring

Business Benefits

Rich variety of models and front-end options enable custom solutions for each operator

Network migration to HD is eased by MPEG-2/H.264 decoder for HD and SD

Dense reception with TS processing enable smart and simple digital turn around

Powerful multiplexing capabilities eliminate the need for an external multiplexing device for lower capital and operating costs and reduced system complexity

Optimal HITS reception solution for cable and IPTV operators

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

Easily integrates with leading network management systems to monitor operators business

Dense transmodulation

IRP Series Capabilities

The Scopus IRP is an innovative, flexible and cost-efficient headend reception solution that features multiple front ends, multiple program descramblers and powerful re-multiplexing capabilities. Using different HW options, the IRP can be configured per application.

IRP-20x0 Multi-format HD Decoder

When configured as a dual, multi-format decoder, the Scopus IRP decodes all video formats in both HD and SD resolutions. Its wide choice of input options ensures compatibility with all transmission media and its density makes the receiver a smart, economical choice for professionals.

Key Features

- Single/dual channel in 1RU
- H.264 SD and HD decoding
- MPEG-2 SD and HD decoding
- MPEG-1 Layer II (Musicam), Dolby Digital (AC-3), and AAC Audio decoding
- HD-SDI, SD-SDI and analog video outputs
- Digital and analog audio outputs (2 stereo pairs for every channel)
- Multiple VBI re-insertion support
- Variety of front ends including DVB-S/S2, 4xASI and 2xGbE inputs
- Variety of TS outputs including 2xASI and 2xGbE
- Multi-program descrambling
- PID/service filtering with table re-generation

Business Benefits:

- Flexible decoder handles all formats and standards, including MPEG-2/H.264 and HD/SD, eliminating the need for multiple single-standard decoders
- Dense solution saves space and reduces capex

IRP-3xxx TS Processor Multi-program Descrambler and Re-Multiplexer

The Scopus IRP is an ideal and cost effective receiver solution for digital turn around applications that features multiple front ends, multiple TS descrambler and powerful re-multiplexing capabilities. The platform's DVB-S/S2, ASI and IP inputs and outputs, together with powerful multiplexing capabilities, eliminate the need for an external multiplexing device.

Key Features

- Variety of front ends including multiple DVB-S/S2, ASI, and GbE
- Two integrated DVB common interfaces allow descrambling of 2 full transport streams
- Strong multiplexing capabilities including PID/service filtering
- Re-generation of MPTS to multi-MPTS/SPTS
- Up to 10 ASI inputs for ASI aggregation and IP streaming
- 2 ASI and dual GbE outputs

Business Benefits

- Concurrent reception of several transport streams by one dense receiver enable simple turn around solution
- Descrambling of selected programs/streams for efficient processing
- ASI aggregation with powerful multiplexing capability eliminate the need for an external multiplexing device

IRP Series Capabilities

Broadband IP Streamer

Ideal reception device for IPTV head-end-in-the-Sky (HITS) applications, the Scopus IRP is a full feature, low cost IP streamer that grooms content, splits received transport streams into multiple SPTS streams, and outputs the streams over IP directly to the IPTV network.

Key Features

- Reception of DVB-S/S2
- Up to 8 ASI inputs for ASI aggregation and IP streaming
- Dual GbE outputs
- Re-multiplexing capabilities including splitting of received TS into multiple SPTS streams
- Simultaneous IP encapsulation/de-capsulation of up to 32 MPEG-2 transport streams in dense 1RU chassis
- Multi-program descrambling

Business Benefits

- Routes alternative program to the same IP address (program substitution) in case of blackout for all-region coverage
- Reliable broadcast-quality content transmission over IP network with ProMPEG FEC forward error correction

IRP- 61x0 QAM Transmodulator

Designed for head-end-in-the-Sky (HITS) applications, the Scopus IRP serves as a compact, cost-effective and smart solution for transmodulating content from multiple DVB-S/S2 inputs to multiple QAM outputs. Its advanced transport stream processing and re-multiplexing capabilities provide program filtering, routing, table regeneration, and bit rate adaptation for conversion of DVB-S2 to QAM output.

Business Benefits

- Dense transmodulation with re-multiplexing and additional ASI/GbE inputs and outputs provide perfect solution for HITS application
- Re-multiplexing and transport stream processing to support bit rate adaptation eliminates the cost of external multiplexing device
- IRP Flexibility enables operators to leverage on future opportunities

USA and Canada
Tel: +1 609 9878090
Fax: +1 609 9878095
www.scopus.net
info_us@scopus.net

Argentina
Tel: +54 11 49823537
www.scopus.net
info@scopus.net

Brazil
Tel: +55 12 39239208
www.scopusbrasil.com.br
scopusbrasil@scopusbrasil.com.br

China
Tel: +86 10 65880035/6/7
Fax: +86 10 65880039
www.scopus.cn
info@scopus.cn

India
Tel: +91 22 67939291
Fax: +91 22 67939299
info@scopus.net

Israel
Tel: +972 3 9007777
Fax: +972 3 9007888
www.scopus.net
info@scopus.net

Japan
Tel: +81 3 57787073
Fax: +81 3 5778 7676
info-japan@scopus.net

Russia
Tel: +7 495 5404608
Fax: +7 495 5404608
www.scopus.ru
info@scopus.ru

Thailand
Tel: +66 81 936 9465
info@scopus.net

UK
Tel: +44 208 6106038
Fax: +44 208 6106818
info@scopus.net

**Professional Services:
(Tech Support)**
Tel: +972 3 9007800
Fax: +972 3 9007866

SYN 0908