

## Fra TAURUS

(www.taurus-sales.com)

This is the first newsletter in the English language from us. As we now may address customers from Finland and the Baltic countries concerning Ericsson Television (ETV) equipment, then our newsletters do not work in Danish – the usual Scandinavian customers will understand both languages.

## Ericsson Television (ETV) – Voyager II & RX8200

(www.ericsson.com)

ETV has made it possible for us to invest (to a positive, economical package price) in the most modern and versatile DSNG, satellite news uplink unit ever seen.

**We talk about the new Voyager II encoder / modulator. In a period we have a special price set-up – older DSNG units as swap-in with price reduction in purchasing a new Voy II (see the method and pricing in the enclosed paper).**

In our purchase we as well got a fully equipped RX8200 IRD, which in the given version is the counterpart to the Voyager II, but also capable of working in many other directions.

**Note:** Kindly view at the rear side of this paper the built-up (and options) of our Voy II and RX8200.

Some technical considerations might be of interest with reference to our demo units:

Voyager II:

The XH42 module covers everything in MPEG-2/4, SD/HD, 4:2:0/4:2:2. Alternative options can limit this span of possibilities – at the same time reducing the price Resolution is 10 bits; this has not been seen before!

The unit covers both DVB-S and DVB-S2

Modulation types in S: QPSK; 8PSK & 16QAM

Modulation types in S2: QPSK, 8PSK, 16APSK & 32APSK

All audio and CA possibilities are included

Further options to be noted

RX8200:

The IRD = Integrated Receiver Decoder fits the above Voy II, but cannot demodulate DVB-S2 in 32APSK

The IRD fits all video and audio standards as seen for Voy II

High Quality Down Conversion and Cross Conversion included

Multi Service filtering & Descrambling included

Further options to be noted.

The first use of our Voy II happened during the World Championship in ice hockey in the middle of Europe in May. Sweden had the unit for rent nearly one month. The Voy II has “seen” Sweden winning the silver. Congratulation to Finland - winning gold.

With kind regards  
TAURUS ApS

Arne Lillevang



**TAURUS**  
video - audio - transmission



## INFRASTRUCTURE

### **Crystal Vision**

Converters, Synchronisers, Distribution, Em- & De-embedders, Keyers, Delays, Switchers and more

### **Snell (Pro-Bel)**

Routers & Control, Auto & Pres. Systems, Production mixers, TV Stand. Converters, S&W + Vistek modular

### **Courtyard**

Sync. Pulse Gen., TPG, On-air, sport & VT clocks, CGs, Legaliser

### **Echolab**

Video Mixers – digital / analogue

### **Calrec**

Audio mixing Consoles

### **DekTec**

PCI cards; digital TV generators + measuring equipment

### **BON Electronics**

Professional monitors, video walls, PAL comp., SD, HD, 3G

### **VAC - Video Access. Corp.**

Video & Audio building bricks

## TRANSMISSION

### **Electrosys / Itelco S.p.A.**

Transmitters for digital (DVB-T- S-C & DAB) & analogue signals

### **Broadcast Electronics Inc.**

Radiosendere, AM-FM-HD Radio

### **RVR Elettronica S.p.A.**

Stereo MPXs, FM & TV exciters and transmitters, antennas

### **PPM – ViaLite – Fibre-optical**

transfers, Communication, Test & Instrumentation, Custom Systems

### **Teleste**

Cable TV- & IPTV headends

### **Bluebell Communications**

Optical fibre network systems; video, audio & telecom signals

### **Novotronik**

High frequency switching (incl. L-band), measuring, attenuation, amplifiers, dividers and more

### **Ericsson Television (ETV)**

Encoder & IRD/dec., MPEG-2, MPEG-4, SNG, TV over IP and much more

### **Factum Electronics**

DAB(+) encoders, S & E muxes

### **PEAK Communications**

Frequency up / down conversions

### **Polatis Inc.**

Fibreoptical switching

### **Zenenga (SolCast)**

DVB-S/S2, DVB-T & Ku-band Transmissions (special solutions)

## TECHNICAL SEMINARS

Signal infrastructure, compression, DVB & DAB(+)

## SECOND HAND EQUIPMENT

Trading internationally

## TAURUS Demonstration Equipment (DSNG)

May 2011

### Voyager II

Description / Content Voyager II	Price
VOYAGER II DSNG	
SINGLE AC PSU VOYAGER-II CHASSIS WITH VIDEO CONFIDENCE MONITOR (VOY/CHASSIS/1AC/CMON)	8.890 EUR
SLOT 1 ASI INPUT/OUTPUT CARD WITH 2X INPUTS AND 2X MIRRORED OUTPUTS (CE/HWO/ASI/2IN2OUT)	1.482 EUR
SLOT 2 EXTERNAL SYNC MODULE (CE/HWO/EXTSYNC)	741 EUR
SLOT 3 XH42 MODULE (CE/HWO/CE-X/H42)	31.484 EUR
3 x SLOT 3 DOLBY DIGITAL AC-3 AUDIO ENCODING (FOR ONE PAIR) (CE/SWO/DOLBY/AC3)	1.778 EUR
6 x SLOT 3 EXTRA PAIR OF M1L2 AUDIO (CE/SWO/M1L2)	3.556 EUR
1 x SLOT 3 10-BIT LICENSE FOR MPEG-4 AVC 4:2:2 ENCODING (CE/SWO/CE-X/10BIT)	1.852 EUR
ENABLE DVB-DSNG 8PSK AND 16QAM MODULATION (VOY/SWO/DVBDSNG)	2.963 EUR
ENABLE DVB-S2 QPSK, 8PSK, 16APSK AND 32APSK MODULATION (VOY/SWO/DVBS2/HOM)	2.963 EUR
ENABLE EXTENDED SYMBOL RATE RANGE (VOY/SWO/HSYM)	1.111 EUR
SLOT 3 BALANCED AUDIO BREAKOUT CABLE (VP/CAB/BAL)	74 EUR
1 x BLANKING PLATE (CE/HWO/BLNK)	0 EUR
1 x SINGLE BISS MODES 0,1 AND BISS E ENCRYPTION LICENSE (CE/SWO/BISS)	2.645 EUR
1 x PROMPEG FEC (SMPTE 2022) LICENSE FOR SINGLE SPTS/MPTS OUTPUT (CE/SWO/PROFEC)	741 EUR
MAINS CORD EUROPE	0 EUR

**Total list price in Euro, excl. shipment and local taxes, approx.**

**Euro 60.280,-**

### RX8200

Description / Content RX8200	Price
RX8200 MODULAR RECEIVER	
MPEG-4 4:2:2 BASE UNIT (RX8200/BAS/2)	2.963 EUR
DVB-S & DVB-S2 SAT. I/P OPTION (RX8200/HWO/DVBS2/2)	222 EUR
IP OUTPUT CARD (RX8200/HWO/IP/OUT)	222 EUR
HD OUTPUT CARD+1XCVBS, 1XRGB, 3X3G CONN (RX8200/HWO/HD/3G)	296 EUR
2 x BALANCED AUDIO OPTION (RX8200/HWO/BAL/AUD)	222 EUR
HIGH QUALITY DOWN-CONVERSION (RX8200/HWO/HQDCONV)	2.963 EUR
2 x XLR TERMINAL BREAKOUT CABLE (RX8XXX/CABLE/XLR)	0 EUR
DEFAULT RAS KEY (DSNG)	0 EUR
DVB-S2 16APSK LICENCE (RX8200/SWO/DVBS2/16APSK)	741 EUR
DVB-S2 LOW SYMBOL RATE LICENCE (RX8200/SWO/DVBS2/LSYM)	341 EUR
FRAME SYNC LICENCE (RX8200/SWO/FSYNC)	370 EUR
DVB-S2 VCM MULTI-TS LICENCE (RX8200/SWO/DVBS2/VCM)	333 EUR
BISS SINGLE SERVICE DESCRAMBLING LICENCE (RX8200/SWO/BISS)	0 EUR
CI CA SINGLE SERVICE DECRYPTION (RX8200/SWO/CI)	0 EUR
DIRECTOR CA LICENCE (RX8200/SWO/DIR)	0 EUR
CI MULTI SERVICE DESCRAMBLING (RX8200/SWO/MSD)	1.482 EUR
RAS CA (RX8200/SWO/RAS)	0 EUR
LOW LATENCY DECODE LICENCE (RX8200/SWO/LDELAY)	252 EUR
MPEG-4 HD & SD DECODE LICENCE (RX8200/SWO/MP2/MP4/SD/HD)	1.111 EUR
CROSS-CONVERSION LICENCE (RX8200/SWO/XCONV)	148 EUR
AUDIO CHANNEL DECODE LICENCE (RX8200/SWO/4AUD)	252 EUR
AAC DECODE LICENCE (RX8200/SWO/AAC)	38 EUR
DOLBY DIGITAL DECODE LICENCE (RX8200/SWO/AC3)	0 EUR
MULTI SERVICE FILTER LICENCE (RX8200/SWO/MULT/SERVILT)	667 EUR
MPEG-4 4:2:2 SD DECODE LICENCE (RX8200/SWO/MP4/422/SD)	2.222 EUR
MPEG-4 4:2:2 HD DECODE LICENCE (RX8200/SWO/MP4/422/HD)	2.222 EUR
MAINS CORD EUROPE	0 EUR

**Total list price in Euro, excl. shipment and local taxes, approx.**

**Euro 17.070,-**

## Voyager II – Summer Special Offer

Following the remarkable success in the take up and a very enthusiastic NAB launch of Ericsson's new DSNG encoder, the Voyager II was used to great effect in its first major event, the Royal Wedding in London.

To celebrate these successes we are pleased to provide a summer special offer designed to enable our loyal customers the chance to upgrade their fleet of original Voyager products to the new Voyager II.

For the period from 18<sup>th</sup> of May through to the 31<sup>st</sup> of August we will provide a part exchange allowance of \$5,000 on any E5714 or E5740 traded in for a Voyager II.

Similarly, if trading in an EN8040 or a competitor's DSNG encoder for an HD Voyager II we will provide an exchange allowance of \$7,500. This offer will also be open until the 31<sup>st</sup> of August.



Voyager II excels in providing maximum flexibility, performance and interoperability while delivering the best return on investment to operators and service providers through the widest range of software upgradeable paths and expansions options.

Based on in-house technology, Voyager II is built upon a revolutionary modular chassis in a space-saving 1RU form factor with up to six hot swappable option slots. It supports a comprehensive range of processing options, including the multi-codec, multi-format CE-x Series range of encoders. An integrated satellite modulator offers high order DVB-S/S2 modulation on both IF and L-Band outputs.

Voyager II features a fully functional front panel re-engineered bottom-up to meet the demand of the mobile environment, including ease of operations, quick menu access and effective monitoring. Overall it represents the most advanced DSNG unit on the market, offering broadcasters, operators and service providers the level of integration, flexibility and scalability necessary to future-proof any operational investment during today's technology migration.

### Multi-codec

- Voyager II supports the CE-x Series encoding option modules, a single multi-codec platform enabling the migration to the highest quality MPEG-4 AVC HD 4:2:2 10-bit, while maintaining compatibility with legacy MPEG-2 networks

Scalable, expandable and future proofed  
All option modules in Voyager II are hot swappable to allow:

- Expansion of the unit functionality
- Easy re-purposing of units for multiple applications
- On-site servicing of all options, including the confidence monitor

### Efficient use of spectrum

Voyager II delivers compression and transmission efficiencies that allow:

- Over 30 percent bandwidth savings compared to MPEG-2 Video at contribution rates
- Support for DVB-S2 higher order modulation on both IF and L-Band outputs, guaranteeing over 30 percent bandwidth savings compared to DVB-2
- The ability to best utilize a wide variety of links such as fiber, satellite, microwave, etc.

\* This offer is for the purchase of a Voyager II unit in any valid configuration. Please check that the functionality meets the requirements as we cannot guarantee an exact match with existing equipment, Voyager or other. All other existing terms and conditions remain valid