

# SNG F-200/F-230 *HD*

Compact – Powerful – Flexible – Reliable

With their all-digital, all HD-capable equipment, SNG F-200 and F-230 are ready for action, bringing your audience closer to your special events coverage than ever before

# SNG F-200/F-230 HD



## Key advantages

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- Fully-redundant HD uplink truck for HD/SD simulcast application (Up to 2+1)
- High-performance and complete monitoring system
- Reliable power supply with on board generator, UPS and isolation transformers
- Flexible routing with an HD-SDI video router
- Audio processing and monitoring fully compatible for analogue, AES & Dolby E signal
- Production-ready with IFB facilities and Triax camera cabling
- Engineering and ergonomics based on more than 20 years' experience

## Vehicle & Power supply

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- Mercedes Sprinter 416 CDI – 4,6 T - (5.70m x 2.00m x 3.20m)
- Roof-mounted and rack air conditioning systems
- External: 220V single phase 50Hz 6KVA with 2 isolation transformers (P17 32A CEE)
- Internal: silent Diesel PANDA – FISCHER 8 KVA generator on board
- UPS 3 KVA

## Processing & Routing

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- I3RU Snell&Wilcox enclosure with redundant PSU, SD/HD SDI distribution-amplifiers with monitoring downconverter, HD audio embedders, analogue audio and video distribution-amplifiers
- 8 x 8 HD/SD-SDI Leitch Panacea routing switcher with 2 panels and redundant PSU
- HD-SD test generator Doremi HDG-10 (F-200) or Lynx (F-230)
- Precabing for HD triax camera and HD VTR

## Communication & Audio

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- 8/4/2 audio mixer
- 2W cell phones with audio interface (4wires/IFB)
- 6 channels Propect K6R intercom panel

## Antenna & RF system

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- Antenna SkyRAY MAS 1900
- 1.50m Diamond Ku single offset with 2 linear access
- Ku Uplink frequency: 13.75 - 14.5 GHz
- Ku Downlink frequency: 10.7 - 12.75 GHz
- RX Gain: 43.7 dBi (11.7 GHz)
- 2 x outdoor Ku TWTA 400W with integrated block upconverters
- Max EIRP: 70 dBW
- Off air antenna Oyster 85

## Encoder/Modulator & IRD

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- Up to 3 x SD-HD Tandberg MPEG2 4 :2 :0 – 4 :2 :2 encoders (BISS1 Encryption)
- Up to 3 x QPSK-8PSK DVB-S/S2 modulators Newtec NTC 2280
- Up to 2 x QPSK-8PSK DVBS2 demodulators Newtec NTC 2263
- Up to 4 HD/SD Tandberg IRD MPEG2 4 :2 :0 – 4 :2 :2 (TT1290&TT1260)

## Monitoring

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- 4 x 9" and 1 x 18" LCD TFT video/SXGA monitors
- Tektronix WVR 7100 HD-SD analog-digital waveform rasterizer with DolbyE decoder
- Audio monitoring: Genelec 8020, Wohler AMP-1S8MDA and Fostex
- Spectrum analyzer FSH-3 Rohde&Schwarz