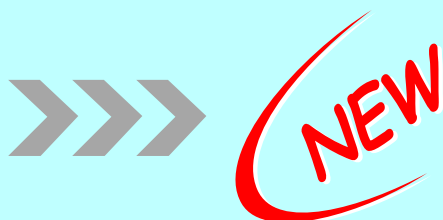


Eagle

The New - MPEG-4 ASI/IP DECODER PLATFORM

- Versatile, modular, multiformat decoding solution
- Integrated DVB receiver option
- MPEG-2/4 and support for all standard audio codecs
- CAS support with 2 DVB-CI modules
- Fully IP capable for video over IP applications
- SNMP and integrated web server for remote control



FEATURES

ASI -> MPEG-4 -> A/V

- **Input, Output:**
 - ASI-Input
 - 4 x Stereo Audio Output, SPDIF
 - Video-Output
 - 2 x ASI-Output with single service decryption
- **MPEG Decoder**
 - Video Decoding:
 - MPEG-2, MPEG-4, H.264AVC
 - Processing of audio programs
 - Audio-Decoding: MPEG-1 (LAYER II), MPEG-2, MPEG-4, AAC, Dolby Digital (AC3), Dolby Digital + Letterbox mode (16:9)
 - HD to SD Rescaling to Video Out
 - VBI-Insertion (VPS, WSS, VITS, Ttxt)
 - 5.1 Surround Sound to Stereo conversion
 - Audio Description Support
 - Support of all standard CAM
- **Common Interface**
 - 2 Conditional Access Modules (DVB-CI)
 - Supporting of all standard CA Modules
- **Operation/Control**
 - Direct entry by display, Thumb wheel
 - LAN/WAN integrated Web-Server, SNMP-Agent
 - Logbook
- **Provides Monitoring** and Test functions via Control system and Test ports

RECEIVER-FRONTENDS

(Option)

- **DVB-S/S2 Demodulator:**
 - Input frequency: 950 ... 2,150 MHz
 - LNB Remote power supply 0V/14V/18V with 22 kHz switching signal (75 Ohm input)
 - DVB-S/S2 Demodulation and channel decoding fully DVB compliant (EN 300421/EN 302307)
 - Suitable for MCPC & SCPC
 - Input F-type connector
- **DVB-T (T2) Demodulator:**
 - COFDM Demodulation and channel decoding fully DVB compliant (ETS 300 744)
 - 2K- and 8K- Mode with 7 and 8 MHz bandwidth
 - Input frequency: 47 ... 862 MHz
 - F connector: 75 Ohm input
 - DVB-T2 on request
- **DVB-C Demodulator:**
 - Input frequency range: 47 ... 862 MHz
 - QAM Demodulation and channel decoding fully DVB compliant (Annex A and B)
 - Symbol rates variable from 1.7 ... 7.0 Msymbols/s
 - 16, 32, 64, 128, 256 QAM
 - Data rates up to 51.5 Mbps

OPTIONS

IP-> MPEG-4 -> A/V, IP, HD/SD-SDI

- **HD/SD-SDI-Output**
 - with Embedded Audio
 - additional AES/EBU Audio Output (XLR)
- **CA-Support:**
 - Multi Decryption incl. Decryption Management System (DMS)
 - BISS-Decryption Mode 0, Mode-1, BISS-E
 - NDS Licence
 - CI + Licence
- **IP Frontend**
 - IP Reception of transport streams
 - Encapsulated with UDP, RTP
 - Unicast, Multicast
- **IP Output Streaming**
 - Unicast, Multicast
 - MPTS
 - SPTS
- **SFP-Modules:**
 - GbE optical (LC)
 - GbE electrical (RJ45)



DRP 393
MPEG-4 Receiver/Decoder

Eagle

The New - MPEG-4 ASI/IP DECODER PLATFORM

TECHNICAL DATA

Input ASI-Input: Connector, Impedance DVB-S/S2 (Option): Input Frequency range Input signal level LNB remote power supply, Selectable Connector, Impedance DVB-S: Symbol rates variable Code rates DVB-S2: Symbol rates QPSK Symbol rates 8PSK Code rates FEC Block length DVB-T (T2) (Option) FEC (T) FEC (T2) Modes Guard Interval DVB-C (Option) Input frequency range Modulations Signal Processing MPEG video decoder Resolution MPEG audio decoder Conditional Access Outputs MPEG TS data output Connector, Impedance Analog Video output Video formats Output level Connector, Impedance Analog audio output (up to 4) Output level Adjustment range Digital Audio Output: Operation/Control Display, Keypad LAN/WAN Monitoring MPEG TS test output Test video output Connector, Impedance Test audio output Connection Log file function	BNC, 75 Ohm acc. EN 300421/EN 302307 950 ... 2,150 MHz -25 ... -65 dBm 0 V/14 V/18 V, 500 mA max., 22 kHz signal 75 Ohm Input F-type connector 1 ... 45 MSps 1/2, 2/3, 3/4, 5/6, 7/8 2 ... 36 MSps 2 ... 30 MSps 1/2, 3/5, 2/3, 3/4, 4/5, 5/6 ,8/9, 9/10 64800 acc. Bluebook A122 Convolutional Coding + Reed Solomon 1/2, 2/3, 3/4, 5/6, 7/8 LPDC + BCH 1/2, 3/5, 2/3, 3/4, 4/5, 5/6 QPSK, 16 QAM, 64 QAM, (256 QAM) 1/4, (19/256), 1/8, (19/128), 1/16, 1/32, (1/128) Annex A, Annex B 47 ... 862 MHz 16, 32, 64, 128, 256 QAM MPEG-2/MPEG-4 max. 720 x 576 @ 25 Hz HD to SD Rescaling on Video-Output MPEG-1, MPEG-2 (Layer II), MPEG-4, AAC, Dolby Digital (AC3), Dolby Digital + acc. EN 50221 2 x DVB-CI Common Interface: support of all standard CAM DVB/ASI (EN 50083-9) 2 x BNC port, 75 Ohm Component (CVBS) PAL, NTSC 1 V _{pp} BNC female, 75 Ohm Mono, Stereo (left/right), dual sound +6 dBm (1.546 V on 600 Ohm XLR) (-6 dBFS), balanced XLR -30 dB ... +10 dB S/P-DIF on BNC, AC3 passthru RJ 45 10/100 Mbit Direct entry via thumbwheel integrated Web-Server, SNMP-Agent DVB/ASI (EN 50083-9) Composite (CVBS) BNC female, 75 Ohm Mono, stereo (left/right), dual sound 6.3 mm female, unbalanced -20 dB max. 256 entries
Subtitling VITS VPS dataline WSS Testsignal generator Environment Operating temperature Power Supply Mains voltage Mechanical Housing Dimension (W x H x D)	DVB-Subtitling NTSC Line 21 closed captions VITS generation on Line 17, 18, 330, 331 Line 331: optional ramp or EBU Line 329, selectable sinx/x (enable/disable) insertion of Line 16 (enable/disable) WSS insertion w/respect to video output aspect ratio with AFD (Active Format Description) colorbar for Video 1 kHz Testtone for Audio 5 ... 45 °C 100 ... 240 VAC 50 ... 60 Hz, 0.4 ... 0.22 A 19" x 1RU 483 mm x 45 mm x 315 mm
OPTIONS: HD/SD-SDI ATSC Mode IP Frontend Input Format IP Output Streaming Output Format SFP-Modules CA-Support BISS Multi-Decryption	 Digital A/V-Outputs with embedded audio (5.1 downmix), additional AES/EBU audio output ATSC PSIP Table processing GbE SFP, electrical RJ45, optical LC GbE, UDP, Uni- and Multicast Option: RTP, MPEG pro GbE SFP, electrical RJ45, optical LC GbE, UDP, Uni- and Multicast Option: RTP, MPEG pro GbE optical (LC) GbE electr. RJ45 NDS-Licence CI+ Licence Mode 0, Mode-1, BISS-E Multiservice Descrambling, min 16 PIDs Depending on CAM

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Associated BLANKOM Products

- **B-IRD Family** (DRD 694/695, DRD 696)
 - **EQM 100/101/102** EDGE QAM MODULATORS
 - **DXP 400** MODULAR HEADEND

...setting signals