



### General:

Digital Integrated Receiver Decoder for Professional application where High Quality and excellent reception capabilities are needed. The unit is available with Input for DVB-S, DVB-C or DVB-T and one built in Common Interface Slot to fit up different Conditional Access Modules to descramble Pay-TV Channels.

Because of the integrated RS232 Control Option the unit can be controlled by bidirectional way via RS232, natural also via front panel keyboard, IR Remote Control or external IR Jack.

Software Updates can be done comfortable by using the front I/O connector. Because of the also included Audio and Video output on this port a control Monitor can be connected what makes easier the installation and monitoring of the IRD.

### Features:

- 4:2:0 MP@ML Broadcast Video Decoding
- DVB-S, DVB-C or DVB-T Input available
- Supports PAL, SECAM, NTSC
- 1 Slot for CA CAMS as Conax, Alphacrypt, Irdeto, NDS, Viaccess and others
- Alphanumeric Display 10 Characters with Channel Title Information
- 1 Cooler with temperature sensor
- Remote Control with bidirectional communication via RS232 (optional Ethernet)
- Teletext Decor integrated and re-insertion on all Video Outputs
- Enhanced DVB Broadcast Feature and Redudancy support
- OSD, DVB Subtitling, EBU Teletext Subtitling on all Video Outputs
- EPG - Electronic Program Guide - with Event Informationen
- Picture Zoom and Freeze (Pause) Function
- Broadcast Audio Analogue Stereo unbalanced BNC
- Broadcast Audio Analogue Stereo balanced XLR
- Broadcast Audio Digital AC-3 unbalanced BNC
- Broadcast Video Analogue Composite BNC
- Broadcast Video Analogue YUV (Y/CB/CR - Y/PB/PR) BNC  
Format: 576p 50 Hz, 720p 50/60 Hz

Distributor / Vertrieb:

**VIDELCO** – Professionelle Audio- Video- Medien-Technik!  
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### Technical Details:

IRD Input Option	<ul style="list-style-type: none"> <li>▪ IRD-S 2220: DVB-S QPSK Frequency Range: 950 - 2120 MHz Symbol Rate Range: 1 - 45 Ms/s DiseqC: 1.0, 1.2, 2.0, USALS</li> <li>▪ IRD-C 2220: DVB-C QAM QAM: 16, 32, 64, 128, 256 Frequency Range: 47 - 862 MHz Symbol Rate Range: 4 - 7 Ms/s</li> <li>▪ IRD-T 2220: DVB-T COFDM QPSK, 16 QAM, 64 QAM Frequency Range: 47 - 862 MHz Tuner Bandwidth: 7 - 8 MHz</li> </ul>
Conditional Access	<ul style="list-style-type: none"> <li>▪ DVB CI Interface Slot according EN-50221 for CA Irdeto, Viaccess, Cryptoworks, Conax, Aston, NDS, Alphacrypt and others</li> </ul>
Monitoring and Control	<ul style="list-style-type: none"> <li>▪ Front Panel Control</li> <li>▪ IR Remote Control, external IR Receiver via IR Jack</li> <li>▪ Bidirectional Remote via RS232 (optional Ethernet)</li> <li>▪ Advanced Channel Scanning inclusive PID mode</li> <li>▪ Front Panel Display alphanumeric 10 Characters</li> <li>▪ OSD including Signal Quality, CA Information, Audio and Video Information, Receiver Status, Service Information</li> </ul>
Information	<ul style="list-style-type: none"> <li>▪ Teletext supported</li> <li>▪ EPG with Event Information</li> <li>▪ DVB Subtitling supported</li> </ul>
Outputs	<ul style="list-style-type: none"> <li>▪ Video Analogue Output Composite BNC Analogue Output YUV (Y/CB/CR - Y/PB/PR) BNC (VESA, 576p 50 Hz, 720p 50/60 Hz) Format: PAL-B/G/I/M/N/D, SECAM, NTSC Decoding: 4:2:0 MP@ML Resolution: Pan-Scan, Letter Box or Pass-through Aspect Ratio: 4:3, 16:9 Multifeed Option</li> <li>▪ Audio Analogue Output Stereo unbalanced BNC Analogue Output Stereo balanced XLR Digital Output AC-3 unbalanced BNC Decoding: MPEG1, MPEG2 Layer I und II</li> </ul>
Physical	<ul style="list-style-type: none"> <li>▪ Size: 19" 1U (485 x 300 x 45 mm)</li> <li>▪ Weight: 3,6 Kg</li> <li>▪ Voltage: 100-240 V AC</li> <li>▪ Consumption: 18 W max.</li> </ul>

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