

HARMONIC ProView 7000

Integrated Receiver and Stream Processing Platform



Der ProView 7000 ist ein skalierbarer Receiver, DVB Descrambler, Multi-Format Decoder sowie MPEG Stream Processor in einer kompakten 1HE-Form. Er eignet sich für flexible Anwendungen im Bereich Transportstrom-Bearbeitung, Descrambling bzw. Decoding in professionellen Kopfstellen.

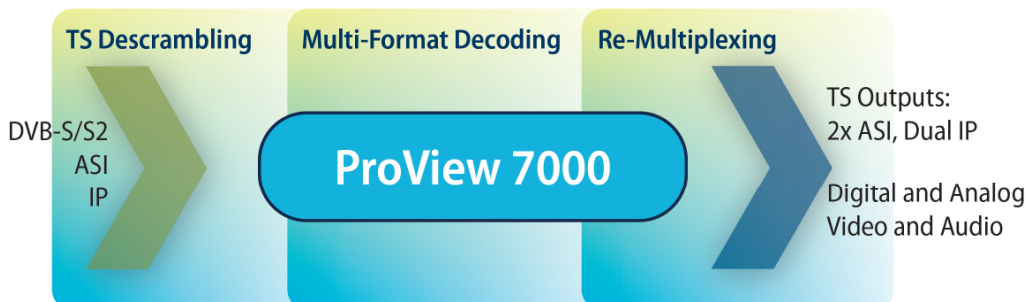
Harmonic's ProView™ 7000 is the world's first single rack unit (1-RU) scalable receiver, DVB descrambler, multi-format video decoder and MPEG stream processor. The ProView 7000 is the perfect fit for digital turnaround processing, full transport stream descrambling and decoding applications.

Features

- Flexible Auswahl an DVB-S/S2, ASI-sowie IP-Eingängen
- 2 unabhängige ASI-Ausgänge
- 2 IP-Ausgänge mit Support für 1+1 Redundanz
- 2 integrierte DVB Common Interfaces erlauben Descrambling von 2 gesamten Transportströmen
- Single Channel Decoder mit nur 1 HE
- MPEG-4 AVC/MPEG-2 SD/HD Decoding
- MPEG-1 Layer II (Musicam), Dolby Digital (AC-3), and AAC Audio Decoding
- HD-SDI, SD-SDI, HDMI und analoge Video Ausgänge
- Komplette flexible Konfiguration bezgl. Re-Multiplexing und Ports
- Regeneration der PSI/SI und MPEG Tables
- Graphical User Interface ermöglicht einfache Drag&Drop-Konfiguration
- Re-Multiplexing geeignet für SFN Distribution (DVB-T)

Features

- Variety of inputs including multiple DVB-S/S2, ASI and IP inputs
- Two independent ASI outputs
- Dual IP outputs with 1+1 redundancy support
- Two integrated DVB common interfaces allow descrambling of two full transport streams
- Single channel decoder in 1-RU
- MPEG-4 AVC/MPEG-2 SD/HD decoding
- MPEG-1 Layer II (Musicam), Dolby Digital (AC-3), and AAC Audio decoding
- HD-SDI, SD-SDI, HDMI and analog video outputs
- Any to any re-multiplexing capabilities
- Regeneration of PSI/SI and MPEG tables
- Graphical user interface provides easy drag-and-drop management
- Deterministic Re-multiplexing for SFN distribution



High End Receiver Processor

Spezifikationen / Specifications

RF Input Interfaces – DVB-S/DVB-S2		CAS	Viaccess®, Irdeto®, Conax®, Nagravision® (partial list)
4x L-Band RF inputs with LNB control for 2 inputs			
Connector	4x F-type, 75 ohm (working simultaneously)	Video Decoding	
Frequency Range	950 - 2150 MHz	Decoding Formats	
RF Input Level	(-65) to (-25) dBm	MPEG-2 SD 4:2:0 MP@ML	
LNB Power	13 VDC, 18 VDC / 350 mA	MPEG-2 HD 4:2:0 MP@HL	
Transport Stream Input Interfaces		MPEG-4 AVC SD MP@L3	
DVB-S Inputs		MPEG-4 AVC HD MP@L4.0/HP@4.0	
Constellation	QPSK	Maximum Video Rate	
Symbol Rate	1 - 45 Msym/s	MPEG-2 SD - 15Mbps	
FEC	All ratios compliant with standard	MPEG-2 HD - 50Mbps	
DVB-S Inputs		MPEG-4 AVC SD - 10Mbps	
Constellation	QPSK, 8PSK	MPEG-4 AVC HD - 20Mbps (MP),	
Symbol Rate	1 - 45 Msym/s	25Mbps (HP)	
FEC	All ratios compliant with standard	Video Formats	
FEC Blocks	Short and normal	1080i @ 29.97, 30, 25 fps	
Roll Off	0.2, 0.25 and 0.35	720p @ 59.94, 50, 60 fps	
Mode	CCM, VCM	480i @ 29.97 fps	
Pilots	On & off	576i @ 25 fps	
ASI Input		480p @ 59.94 fps	
Connector	100 Kbps-100 Mbps	Analog video output	
Packet Length	4x BNC, 75 ohm	PAL-B/G/I/M/N/D, NTSC, Russian SECAM	
TS Max Bit Rate	188 byte packets	Video Processing	
MPEG over IP Input		HD video down-converted to SD with aspect raticonversion	
Up to 2x TS input	SPTS/MPTS	Aspect Ratio Conversion	
Number of Sockets	4	16:9 to 4:3	
Encapsulation Protocols	MPEG-2 TS over UDP over IPv4	VBI reinsertion in composite video and embedded in SDI	
Multicast/Unicast Dual Connectors	100/1000 Base-T, RJ-4 for redundancy	Audio Decoding	
Transport Stream Output Interfaces		2 stereo pairs audio decoding	
ASI Output		MPEG-1 Layer-II	
Number of Outputs	2 (duplicate or independent)	Dolby Digital® stereo down-mix	
Connector	2x BNC, 75 ohm	Dolby Digital® 5.1 pass-through	
Packet Length	188	AAC (for single audio pair)	
TS Maximum Output Bit Rate	108Mbps	Dolby Digital Plus (for single stereo pair)	
MPEG Over IP Output		Video and Audio Interfaces	
SPTS / MPTS	Up to 4 sockets	Video Outputs	
Encapsulation Protocols	MPEG-2 TS over UDP over IP v4	2x composite video interfaces	
1+1 Physical Layer		2x SD/HD SDI with embedded audio	
Redundancy Support		1x Analog video RGB-HD. 15 pin D-connector	
Multicast		Audio Outputs	
Connector	100/1000Base-T, RJ-45	2x analog audio stereo pairs, balanced	
Transport Stream Processing		2x analog audio stereo pairs, balanced	
Stream, service and component level re-multiplexing from any input to any output		2x digital audio (AES/EBU-S/P-DIF)	
PID and service level filtering		2 Balanced digital audio interfaces	
High accuracy PCR re-stamping		Modes	
PSI / SI processing and regeneration		Stereo, joint stereo, dual channel, single channel	
Auto generation or pass through of PSI/SI tables		Control an Monitoring	
CA signaling removed when descrambling		Web browser interface	
Deterministic re-multiplexing of local content into the national TS for		Ethernet - RJ45 10/100BaseT control interface	
DVB-T SFN content distribution		Front panel keypad and LCD	
Conditional Access		SNMP traps and alarms	
DVB-CI		Telnet	
Interface	Two independence CI slots EN-50221, allowing descrambling of up to two TS (number of PIDs dependent on the CAMs)	Terminal via RS-232 or RS-485	
CA Methods	Multicrypt, Simulcrypt	Presets	
		Enviromental	
		Operating Temperature	0°C - 50°C
		Storage and Transportation	-40°C - 70°C
		Physical	
		Dimensions (H x W x D)	(1-RU unit 19") 4.4 cm x 48.3 cm x 39.37 cm
		Weight	5 kg
		Power Voltage	100V-240V AC, 50/60Hz
		Power Consumption	Up to 100W max