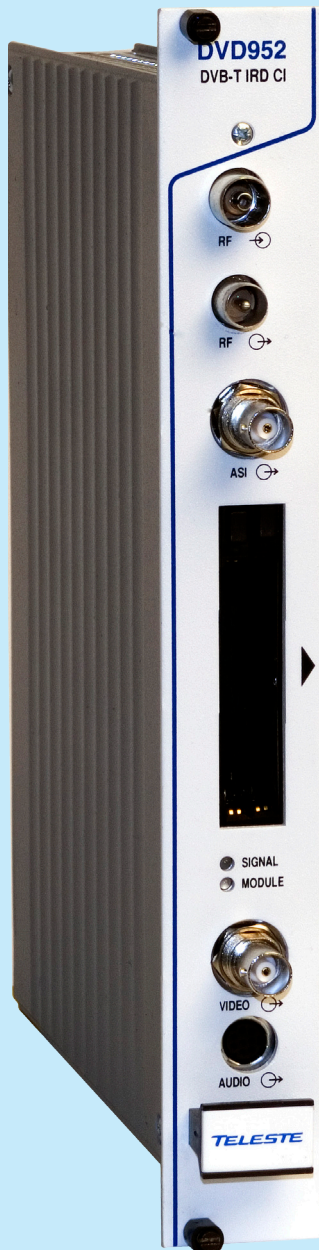


Integrated Receiver Decoder

DVD952 is a professional Integrated Receiver Decoder designed to be used in CATV network Headend. DVD952 can be used for receiving both free-to-air and scrambled DVB services, and it is compliant with DVB-T and relevant parts of E-Book, D-Book and NorDig profile.



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DVD952 provides future proof video decoding solution supporting the migration from MPEG2 to MPEG4 AVC and also supports seamless migration from SD to HD picture quality.

Where digital signal transport is needed DVD952 is equipped with ASI

output in order to support that purpose. It is also equipped with dual CI slots with optional multi scrambling capability gives possibility to descramble the whole multiplex if supported by CA module. The DVD952 also provides high quality video and symmetric audio outputs supporting HD to SD conversion and audio down mixing. It also include sophisticated service acquisition supported by versatile audio and subtitling language and modes selections

Robust operation and automatic recovery from errors are matter of

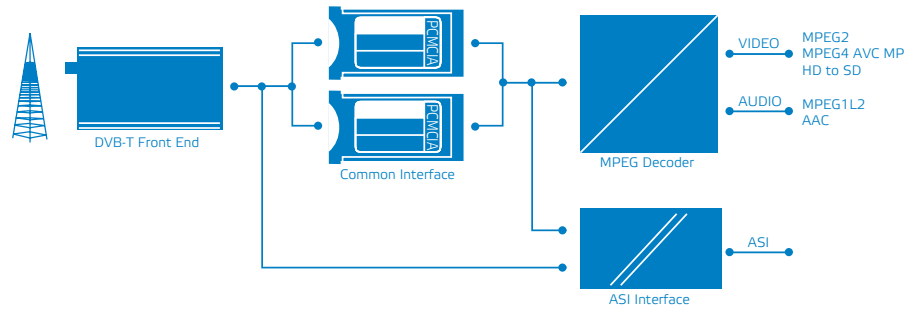
course to this product. The DVD952 is also fully configurable using CATV-i-sor Commander and a wide range of monitoring functions ensure reliable operation.

DVD952 is fully compatible with DVX Headend System, and can be installed in standard DVX001 installation frame.

Features

- Integrated Receiver Decoder module for Cable TV headend solutions
- Compliant with DVB-T and relevant parts of E-Book, D-Book and NorDig profile
- Dual Common Interface slot for CA Modules
- Multiservice descrambling support
- ASI output for digital transport
- MPEG2 and MPEG4 AVC HD/SD decoder
- High quality video and balanced audio outputs
- Automatic error recovery
- Fully configurable using Teleste's CATVisor Commander software
- Robust and reliable mechanics

Block diagram



Technical specifications

Parameter	Specification	Note	Parameter	Specification	Note
DVB-T Input			Audio Output		
Connector	IEC (f)		Impedance	<30 ohm	
Impedance	75 ohm		Output level	1.55 Vrms	balanced
Return loss	6 dB		Adjustment range	+6...-12 dB	
Frequency range	177.5...227.5 MHz	VHF	Frequency range	40...20000 Hz	
	474...858 MHz	UHF	Flatness	±0.5 dB	
Input level range	-80...-35 dBm		THD	0.2 %	
Channel bandwidth	7 and 8 MHz	manual select	Audio mode control	Mini DIN control signals	
Modulation	QPSK, 16QAM, 64QAM	ETSI EN 300 744	Subtitling		
Guard interval modes	1/32, 1/16, 1/8, 1/4		EBU Teletext subtitling	ETSI EN 300 472	
FEC modes	1/2, 2/3, 3/4, 5/6, 7/8		DVB Subtitling	ETSI EN 300 743	
OFDM spectrum	2k and 8k		ASI out		
Required C/N	ETSI EN 300 744		Impedance	75 Ohm	
Transmitter parameter signaling decoding (TPS)	ETSI EN 300 744		Standard	DVB-ASI	
Common Interface			Packet size	188/204 bytes	
Connector	PCMCIA	Dual slot with ejectors	General		
Standard	EN 50221		Power consumption	11 W	max. 20 W
CA module	PC-Card type II	Hot plug-in	Supply voltages	+24/460 V/mA	without CA Module
Video decoder			Connectors		
Compatibility	MPEG-2 MP@ML		DVB-T RF in	IEC(f)	
	MPEG-4 AVC Main Profile (H.264)		DVB-T test point	IEC(m)	
Modes	HP/MP down conversion	option	ASI out	BNC(f)	
Frame conversion	16:9 Letterbox		Video	BNC(f)	
VBI data generator	WSS and PDC (PCS only)		Audio	Mini DIN 8 pins	
Video output			10/100base-T	RJ-45	
Impedance	75 ohm		DVX Backplane	EURO C/2 Male 3x16	
Level	1 Vpp		EMC compatibility	EN 55022 Class B	
Adjustment range	± 18 %		Operating temperature	-10 ...+55 °C	
Flatness	± 0.5 dB		Specifications met	+5...+45 °C	
Video format	PAL		Dimensions	6U*7HP*170mm	height*width*depth
Audio decoder			Weight	<1 kg	
Compatibility	ISO/IEC 11172-3, Layers I and II				
	ISO/IEC 13818-3, Layer II				
	ISO/IEC 14496-3, AAC	option			
Modes	Stereo, Mono, Dual mono				
	AC3 down mixing	option			