



HD-S 223 DVR

Compact HDTV sat receiver for unencrypted digital TV and radio programs

EAN	Colour	Item no.	Weight (Box)	Weight	Device (W x H x D)	Box
4019588048133	black	0000/4813	488 g	246 g	18 x 4 x 10 cm	25 x 5 x 16 cm

TOP FEATURES

Reception of free digital TV and radio channels via satellite (DVB-S/S2)

7 day EPG support

DVRready for recording on USB storage device

Timeshift in connection with USB hard drive

Supports SCR1 = EN50494 and SCR2 = EN50607

Compact, small housing

USB media player for video, music and picture

Support of audio codec AAC

MULTIMEDIA

DVR function: Yes

DVR storage medium: via USB

Timeshift: Yes

AMBIENT OPERATING CONDITIONS

Humidity: 10 ... 75 %

Ambient temperature: 5 ... 35 °C

LNB CONTROL

Vertical: 14 V

Horizontal: 18 V

Band switch: 22 kHz

Current consumption: max. 500 mA

DiSEqC: 1.0 / 1.1

AUDIO

Clear language from ARD: Yes via USB

CONNECTIONS

HDMI™ (out): 1

USB: 1 (USB 2.0)

Digital optical audio out: Yes

Scart: 1

F socket: 1

DECODER

Video decoder: MPEG-2: MP@ML, H.264/MPEG4/AVC: MP@ML

Audio decoder: MPEG-1 & MPEG-2 Layer I und II

DISPLAY

Zoom: Yes

SD: Yes

HD: Yes

1080i: Yes

720p: Yes

576p: Yes

576i: Yes

480i: Yes

Type: 7-segment, 4-digit, green

POWER CONSUMPTION

In operation: max. 8 W

Standby: < 0,5 W

TUNER

Tuner type: Single-Tuner

DVB-S tuner: 1

Single Cable Solution (SatCR): SCR1 = EN50494,
SCR2 = EN50607

Satellite radio: Yes

Reception on: HD-TV, SD-TV

HANDLING/COMFORT

Media Player: Yes

Clock: Yes

Electronic Program Guide (EPG): Yes

Remote control: Yes

Teletext: Yes

Sleep timer: Yes

Software update: Yes

Autostandby: Yes

POWER SUPPLY

Nominal voltage: 230 V

Frequency: 50 Hz

Mains adapter: internal

Effective output: max. 8 W

TUNER - SAT

Reception range: 950 ... 2.150 MHz

Viterbi rates: 1/2, 2/3, 3/4, 5/6, 7/8

DVB-S: QPSK

DVB-S: 2 ... 45

DVB-S2: 8PSK - QPSK

DVB-S2: 10 ... 31

FEC: RS, LDPC, BCH

OTHER FEATURES

OSD languages: Swedish, Italian, French,
Portuguese, English, German, Russian, Spanish

Total programme memory: 5.000

SUPPORTED FORMATS & CODECS

Video-Codecs: MPEG-2, MPEG-4, H.264

Video-Formats: MKV, MP4, MOV, MPG, TS, TS4,
VOB, M2TS, AVI

Picture-Formats: BMP, JPEG, GIF, PNG

Audio-Formats: AAC, MP3, MP2, OGG

SCOPE OF DELIVERY

HD-S 223 DVR sat receiver, remote control,
batteries, manual