



SONATA 1

Digital UHD/4K Combo Receiver/Soundbar

EAN	Colour	Item no.	Weight (Box)	Weight	Device (W x H x D)	Box
4019588047907	black	0000/4790	10,4 kg	8,5 kg	101 x 7,3 x 18,5 cm	118 x 14 x 29 cm
4019588247901	weiß	0002/4790	10,4 kg	8,5 kg	101 x 7,3 x 18,5 cm	118 x 14 x 29 cm
4019588147904	silber	0001/4790	10,4 kg	8,5 kg	101 x 7,3 x 18,5 cm	118 x 14 x 29 cm

TOP FEATURES

UHD/4K reception and processing (HDMI with 4K 50/60p/HDCP 2.2/H.265/HEVC)
 3x twin tuner (DVB-S2, DVB-C and DVB-T2)
 DVRready for recording on insertable 2.5" hard drive, USB storage device or network attached storage (NAS)
 Timeshift in connection with USB hard drive

ISIO: Access to media libraries, ISIO apps and HbbTV
 4 x 15 W audio system "powered by ELAC"
 Multimedia streaming on home network (via UPnP)
 Integrated Wi-Fi connectivity and bluetooth

Control by CONNECT app
 DAB+ module for digital radio reception

TECHNISAT ADDED VALUE SERVICES

TECHNIFAMILY : Yes

ISIPRO : Yes

TECHNIMATIC : Yes

ISI-Mode : Yes

SFI+ : Yes

AUTOINSTALL : Yes

SONSTIGES

ts_mehrwert_isipro_kabel : Yes

MULTIMEDIA

DVR function : Optionally usable 2,5' - HDD, USB storage, NAS

Multi Recording : Yes

Recordings edition function : Yes

Timeshift : Yes

DVR storage medium : Optional einsetzbare 2,5"-HDD, USB-Speicher, NAS

Recordings folder management : Yes

WLAN

2,4 GHz : Yes

WLAN : 802.11n a/b/g (2,4 GHz / 5 GHz)

5 GHz : Yes

AMBIENT OPERATING CONDITIONS

Ambient temperature : 5 ... 35 °C

Humidity : 10 ... 75 %

LNB CONTROL

Vertical : 14 V

Horizontal : 18 V

Band switch : 22 kHz

Current consumption : max. 400 mA (short-circuit protection)

DiSeqC : 1.0 / 1.2 / SCR1 / SCR2

INTERNET/NETWORK

Internet speed test : Yes

HTML 5 support : Yes

RadioDNS : Yes

ISIO live : Yes

ISIO Internet : Yes

VoD services : Yes

HbbTV : Yes

Webbrowser : Yes

AUDIO

HDMI ARC : Yes

Dolby Digital™ *: Yes

audio_klare_sprache : Yes über DVB

Dolby Prologic II™ **: Yes

BLUETOOTH VERSION & PROFILE

Bluetooth version : 2.1 + EDR / 4.2 (BLE)

A2DP (Advanced Audio Distribution Profile) : Yes

AVRCP (Audio Video Remote Control Profile) : Yes

CARD READER

SD card : Yes

CONNECTIONS

HDMI™ (in) : 1

HDMI™ (out) : 1 (ARC) (HDCP 2.2)	Customisable start screen : Yes	Video-Formats : M4V, MP4, MKV, MOV, MPG, MTS, TS, TS4, VOB, WMV, Xvid, M2TS, AVI, ASF
USB : 3 (3.0) / (1x Front)	Lockable volume : Yes	Picture-Formats : BMP, JPEG, GIF, PNG
SATA Interface : 1	Menu locking : Yes	Audio-Formats : WAV, MP3, AAC, FLAC, M4A, MP2, DDAC3, AIFF
Audio in optical (Toslink) : 1	Control panel lock : Yes	TECHNISAT CONNECT
Audio input analogue (RCA) : Yes	Integrated LED clock : Yes	Control : Yes
Subwoofer output : Yes (Cinch)	Selectable start source : Yes	SFI : Yes
Ethernet 1Gbit/s (RJ-45) : 1	Selectable start channel : Yes	Smart Home : Yes (Client)
F socket : 2	LOUDSPEAKERS	MULTI PLAY : Yes
IEC-Connector : Yes	Output performance : 4 x 15 W	TUNER
Headphone connection jack (3,5mm) : 1	ELAC-Speaker : Yes	Tuner type : 3 x Twin-Tuner
DECRYPTION SYSTEM	NETWORK & COMMUNICATION	DVB-S tuner : 2
CI+ : Yes	UPnP : Yes	DVB-C Tuner : 2
DISPLAY	TCP/IP : Yes	Tuner DVB-T2 : 2
Picture in Picture (PIP) : Yes (2x SD, 2x HD, 1x UHD and 1x HD, 1x UHD and 1x SD, 1x SD and 1x HD)	1000Base-T : Yes	DAB+ digital radio : 1
Picture and Picture (PAP) : Yes	IGMP : Yes	DVB-IP (multicast) : 1
Freeze frame : Yes	HTTPS : Yes	Satellite radio : Yes
Zoom : Yes	HTTP : Yes	Cable radio : Yes
UHD/4K upscaling : Yes	RTP : Yes	Internet radio : Yes
SD : Yes	UDP : Yes	Reception on : UHD (H.265/HEVC), HDTV (MPEG-4), SD (MPEG-2), DAB+
HD : Yes	Bluetooth : Yes (Sending & Receiving)	Single Cable Solution (SatCR) : SCR1 = EN50494, SCR2 = EN50607
UHD : Yes	Audio radio : 5,2 / 5,8 GHz	TECHNIROUTER ready : Yes
2160p : Yes	DHCP : Yes (Client)	TECHNISELECT 12 ready : Yes
1080p : Yes	IPv4 : Yes	TUNER - CABLE
1080i : Yes	OTHER FEATURES	Reception range : 50 ... 858 MHz
720p : Yes	OSD languages : English, German, French, Greek, Italian, Dutch, Polish, Portuguese, Russian, Swedish, Spanish, Czech, Turkish, Hungarian	Demodulation : 16 / 32 / 64 / 128 / 256 QAM
576p : Yes	POWER CONSUMPTION	Symbol rate : 1,5 ... 7,2
576i : Yes	Standby LED : 0,4 W	FEC : Reed-Solomon (204,188)
Type : VF-display, 16 digits	Power consumption in standby mode with active network connection : 9,7 W	TUNER - SAT
HANDLING/COMFORT	POWER SUPPLY	Reception range : 950 ... 2.150 MHz
Channel number mix : Yes	Nominal voltage : 230 V	Viterbi rates : 1/2, 2/3, 3/4, 5/6, 7/8 , (automatic adjustment)
Smart Home client : Yes	Frequency : 50 Hz	DVB-S : QPSK
Selection regional channels : Yes	Mains adapter : internal	DVB-S : 2 ... 45
Media Player : Yes	RADIO / RECEPTION	DVB-S2 : 8PSK-QPSK
Sleep timer : Yes	DAB+ : 174 - 240 MHz	DVB-S2 : 10 ... 31
Teletext subtitles : Yes	Internet radio : Yes	FEC : RS, LDPC, BCH
Quick start : Yes	Aerial : Jack (3.5 mm) or IEC socket (Antenna not included in scope of delivery)	TUNER - TERRESTRIAL
Clock : Yes	RadioDNS : Yes	Reception range 2 : 470 ... 862 MHz
Hotel mode : Yes	Radio EPG : Yes	Demodulation : COFDM
Teletext : Yes	STREAMING	Transmission mode : 2k/8k
Channel presets : 9.999	Cloud store : Ja	Bitrate : 4,98 ... 31,67 Mbit/s
Page memory : 1.000	Parental Control : Yes	Voltage supply : 5 V
Remote control : Yes	DLNA Server : Yes	Power supply : 0,05 A
Alarm : Yes	DLNA Client : Yes	
CONNECT app : Yes	SUPPORTED FORMATS & CODECS	
Parental Control : Yes	Video-Codecs : MPEG-2, MPEG-4, MPEG-1, H.264 (H.264/AVC Level 4.2), H.265, DivX, VC-1	
Autostandby : Yes		
HOTEL MODE		
Protected access to hotel mode : Yes		

SCOPE OF DELIVERY

SONATA 1, remote control including batteries, 4K HDMI cable, operating instructions, guarantee card



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