

Code: T-BOX

## HD DVB-T/DVB-T2 DIGITAL RECEIVER **T-BOX** H.265/HEVC HbbTV OPTICUM

DVB-T/T2 digital terrestrial television receiver with support for the HbbTV hybrid television standard, which combines the emission of a typical television signal with multimedia content delivered to the TV via broadband Internet. The decoder is compatible with the DVB-T2 standard encoded with the H.265/HEVC 10bit codec - a new generation of television broadcasting.

The analog EURO/SCART connector enables cooperation with TV sets that do not have a digital input, e.g. CRT TV sets. You can use the HDMI connection to deliver HD quality signals to your TV. The SPDIF COAXIAL digital audio output allows you to connect the tuner to your home cinema system and listen to the Dolby Digital Plus E-AC-3 multi-channel sound. The LAN port enables a cable connection to the Ethernet network, and, using a WLAN/USB card, to a Wi-Fi network.

The device plays pictures, music and videos - both in SD resolution and in high definition HD. The USB port allows to record video data (PVR) to external data media, such as hard disks or flash memory (pendrives).



Input frequency:	<ul style="list-style-type: none"> <li>• 174 ... 230 MHz (VHF),</li> <li>• 470 ... 862 MHz (UHF)</li> </ul>
Input impedance:	75 Ω
Standard:	DVB-T / DVB-T2 / HbbTV 2.0.1
Supported resolutions:	480i, 480p, 576i, 576p, 720p, 1080i, 1080p
Audio sampling:	32 kHz, 44.1 kHz, 48 kHz
Demodulation:	QPSK, 16-QAM, 64-QAM, 256-QAM
Image format:	4:3, 16:9, Pan&Scan, Letterbox
Audio decoder:	MPEG-1 layer I, II, MPEG-2 layer II, HE-AAC Digital Audio, AC3, MP3
Video decoder:	HEVC/H.265 HP @L4, MPEG-4 AVC/H.264 MP @L4, MPEG-4 AVC/H.264 HP @L4, MPEG-2 (MP@HL), MPEG-2 (MP@ML), MPEG-1
Connectors:	<ul style="list-style-type: none"> <li>• HDMI 1.4,</li> <li>• IEC socket,</li> <li>• 2 x USB 2.0,</li> <li>• EURO (CVBS, RGB),</li> <li>• SPDIF Coaxial audio - Cinch socket,</li> <li>• RJ-45 - Ethernet,</li> <li>• DC 2.1/5.5mm socket - 12 V</li> </ul>
Video formats:	AVI, MKV, MP4, VOB, TS, MT2S, FLV, MPG, 3GP, MOV
Supported audio formats:	MP3, MP2, AAC
Image formats:	JPEG, JPG, PNG, BMP, GIF



# DATA SHEET

Main features:	<ul style="list-style-type: none"><li>• HbbTV 2.0.1 - support for multimedia content and interactive channels (hybrid TV)</li><li>• DVB-T2 HEVC H.265 compliance</li><li>• 10-bit color depth signal support - 10-bit color tone depth</li><li>• Full HD 1080p</li><li>• Coaxial audio : Dolby Digital (AC-3), Dolby Digital Plus (EAC-3)</li><li>• Possibility to power the antenna amplifier through a decoder with voltage 5V.</li><li>• SD and HD quality channels, Auto detection, 5000 Channels</li><li>• Separate lists of favourite, TV and radio channels</li><li>• Fast channel switching</li><li>• Channel list edition</li><li>• Automatic or manual search for available TV and radio channels</li><li>• Logical Channel Number (LCN) support</li><li>• Teletext and screen text support</li><li>• Audio description</li><li>• Electronic Program Guide - EPG - 7 days</li><li>• PVR function</li><li>• Wi-Fi Ready function</li><li>• Timer - recording scheduling</li><li>• parental control</li><li>• Multimedia player</li><li>• LED display</li><li>• Manual and OSD menu in Polish language</li><li>• Automatic switch-off - adjustable up to 3 h</li><li>• Firmware upgrade via USB port</li><li>• Software update via network</li><li>• Processor: Montage MS2456</li><li>• Internal memory : 512MB DDR3, 256MB NAND Flash</li></ul>
Power supply:	12 V DC / 1 A (power adapter included)
Power consumption:	< 12 W (operation) < 1 W (Standby mode)
Operation temp:	-5 °C ... 50 °C
Weight:	0.21 kg
Dimensions:	150 x 101 x 34 mm
Supported languages:	Polish, English and others
Manufacturer / Brand:	OPTICUM
Guarantee:	2 years