# DATA SHEET

Code: AX-LION-NS

## HD DVB-T/DVB-T2/DVB-C DIGITAL RECEIVER **AX-LION-NS** H.265/HEVC OPTICUM

Hybrid digital TV receiver AX-LION-NS is one of the cheapest solutions allowing users of older TV sets to receive TV programs in the newer DVB-T2 system with the latest H.265/HEVC video compression standard. Thanks to the use of a hybrid head, this receiver replaces two traditional receivers - for DVB-T/T2 terrestrial television and DVB-C cable television.

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 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).

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| Input frequency: | 114 ... 858 MHz |
| Input impedance: | 75 Ω |
| Standard: | DVB-T / DVB-T2 / DVB-C |
| Supported resolutions: | 480i, 480p, 576i, 576p, 720p, 1080i, 1080p |
| Audio sampling: | 32 kHz, 44.1 kHz, 48 kHz |
| Demodulation: | QPSK, 16-QAM, 32-QAM, 64-QAM, 128-QAM, 256-QAM |
| Image format: | 4:3, 16:9, Pan&Scan, Letterbox |
| Audio decoder: | MPEG-1/2, Layer I, II, MPEG-4 AAC, MPEG-4 HE-AAC, LPCM ≤ 48 kHz, MP3 |
| Video decoder: | HEVC - H.265, MPEG-4 AVC / H.264, MPEG-2 (MP@HL), MPEG-1, VC1, VP8 |
| Power supply: | 100 ... 240 V DC, 50 / 60 Hz |
| Power consumption: | < 1 W (Standby mode) |
| Connectors: | • HDMI 1.4,<br>• IEC socket,<br>• 2 x USB 2.0,<br>• EURO (CVBS, RGB),<br>• SPDIF Coaxial audio - Cinch socket |

DELTA-OPTI Monika Matysiak; https://www.delta.poznan.pl
POL; 60-713 Poznań; Graniczna 10
e-mail: delta-opti@delta.poznan.pl; tel: +(48) 61 864 69 60

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| Main features: | • DVB-T2 HEVC H.265 compliance<br>• 10-bit color depth signal support - 10-bit color tone depth<br>• Full HD 1080p<br>• Coaxial audio : Dolby Digital (AC-3), Dolby Digital Plus (EAC-3)<br>• Possibility to power the antenna amplifier through a decoder with voltage 5V.<br>• SD and HD quality channels, Auto detection, 2000 Channels<br>• Separate lists of favourite, TV and radio channels<br>• Fast channel switching<br>• Channel list edition<br>• Automatic or manual search for available TV and radio channels<br>• Teletext and screen text support<br>• Electronic Program Guide - EPG - 7 days<br>• PVR Ready function<br>• Timer - recording scheduling<br>• parental control<br>• Multimedia player<br>• LED display<br>• Manual and OSD menu in Polish language<br>• Automatic switch-off - adjustable up to 3 h<br>• Firmware upgrade via USB port<br>• Teletext<br>• Self-learning remote control |
| Video formats: | AVI, MKV, MP4, H.264, MPG |
| Supported audio formats: | MP3, AAC |
| Image formats: | JPEG |
| Weight: | 0.23 kg |
| Dimensions: | 133 x 95 x 32 mm |
| Supported languages: | Polish, English, Croatian, Czech, French, Greek, Spanish, German, Slovak, Italian |
| Manufacturer / Brand: | OPTICUM |
| Guarantee: | 2 years |

DELTA-OPTI Monika Matysiak; https://www.delta.poznan.pl
POL; 60-713 Poznań; Graniczna 10
e-mail: delta-opti@delta.poznan.pl; tel: +(48) 61 864 69 60