



Digital Television Converter/Receiver Characteristics

DVB-T STB (Set Top Box) & iDTV (Integrated Digital TV)

DVB-T Network Specification:

The system currently has the following parameters:

- 8MHz Bandwidth – UHF Band.
- 8K Mode.
- 1/4 Guard Intervals.
- 16QAM, FEC rat 2/3.
- Video – SD – MPEG – 4 Part 10, H.264.
- Audio - HE .AAC + V2 & Dolby Pulse.
- MPEG 2-TS.
- Three (3) SFN Networks.

Minimal technical and operational requirements for digital converter/receiver:

1. Digital Terrestrial TV receiver:

For the reception of terrestrial digital television and radio transmissions on UHF & VHF bands

2. Free-to-Air:

Open and uncoded, supports DVB-T standard

3. MPEG-4 DVB-T SDTV & HDTV

Supports DVB-T standard using MPEG-4 compression at standard resolution (SDTV) – **currently**, and high definition (HDTV) – **in the future**

4. DVB Sub – Title:

Supports hidden subtitles, on demand: Hebrew, Arabic & Russian

5. Dolby Pulse:

* Supports Dolby Pulse audio standard – **in the future**

* Includes S/PDIF (Home Cinema) output jack

* Includes mix-down to stereo

6. HE AAC+V2:

Supports this type of audio compression

7. Now and Next EIT-based EPG & 7-Day EPG:

Supports 7 day electronic program guide

8. Power for Active Antenna & Active Antenna:

- * Supports powered connection to active interior antenna for improved reception
- * Customized interior antenna – active antenna recommended

9. RF Pass / Loop through for Analogue Channels:

Connection of antenna to television set that enables reception of both analogue and digital transmissions

10. HDMI – 1.3 Output:

Digital output for high-quality digital audio and video. Suitable for monitors and new-model television sets with HDMI-1.3 input jacks

Installation and operation:

- * Quick-guide installation at initial switch on,
- * Languages (English, Hebrew, Arabic, Russian, French & Amharic) OSD menu
- * Auto-search function & manual search function

Features that depend on the television interface:

RF output with RF modulator for analogue channels

Enables connecting the converter to any television with an RF - (ANT) connector.

Provided for use with older model television sets with no A/V input jack

Based on existing television interface

Accessories

- * Active Indoor Antenna - recommended
- * HDMI 1.3 Cable - recommended
- *RF-UHF ANT. Cable – required
- *Audio & Video Cables– required, based on interface
- * Getting Started User Manual:Hebrew, Arabic, English, French, Russian & Amharic – required
- *Remote Control & Batteries- required

Recommended television set features:

- *MPEG – 4 DVB – T **HDTV & SDTV**
- *Ergonomic full-function remote control with fast buttons for direct access to main channels
- *Level and Quality indicator for antenna positioning