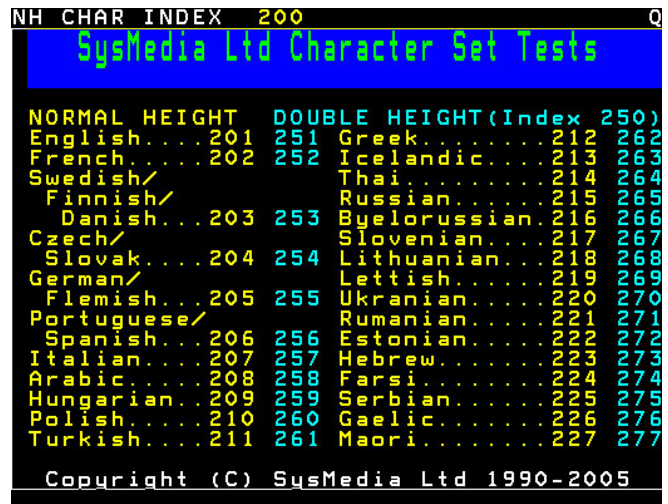




## 2017 DVB Teletext Test Generator

- **Verify teletext decoder compliance against industry benchmarks**
- **DVB UHF/VHF output connects directly to set-top-box or TV or connect via your own modulator**
- **Internal reference video signal or connect your own DVB-ASI or analogue video input**
- **DVB Subtitle test streams**

The 2017 DVB Teletext Test Generator provides a complete DVB-ASI output with video, audio and teletext test data. The DVB output of the 2017 (as ASI or modulated RF) provides a complete teletext test reference signal for the new generation of digital TVs, Set Top Boxes and chipsets.



This 2U rack-mount unit features the same core test functionality as the alternative 2016 model, while adding an internal video source and multiplexer with options for DVB-ASI video input and an internal multi-standard UHF/VHF modulator. The internal DVB multiplexer combines the teletext test signal with video and audio, sourced from an internal test pattern, analogue video stream (via the optional internal MPEG encoder) or from an external Transport Stream input.

A standard web browser connected via a TCP/IP network is used for all configuration settings, allowing flexibility when choosing a suitable location for the unit.

*SysMedia (previously called VG Broadcast) is the world leader in the design and manufacture of teletext reference test equipment, with a track record covering more than 30 years. Our test equipment has been supplied to the majority of leading television manufacturers including Daewoo, Hitachi, LG Electronics, Philips, Panasonic, Samsung Sharp, Sony and Toshiba to name a few.*

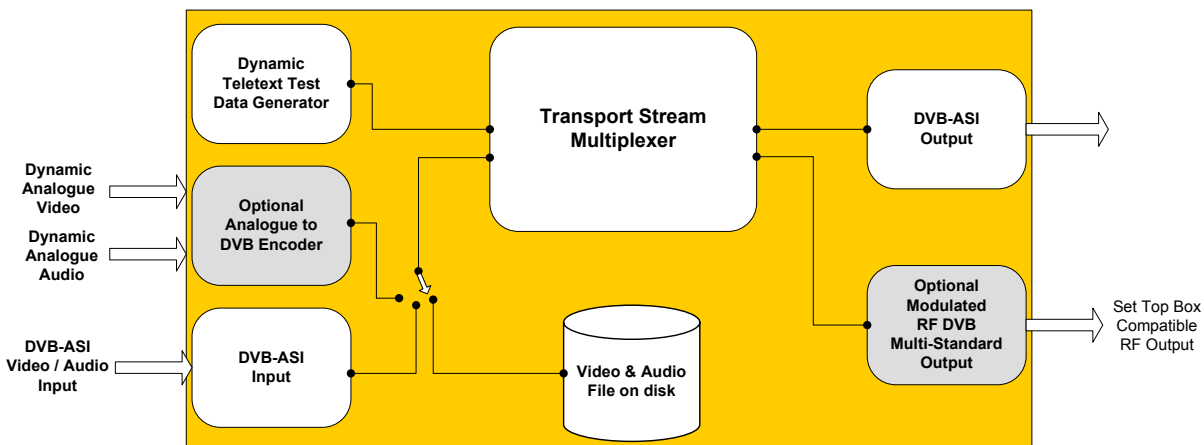
- Fully compliant with ETS 300-706
- Pre-programmed with 462 test pages covering full range of teletext capabilities
- Full level 2.5 WST 625 line specifications as well as level 1 and 1.5
- Complete range of 28 languages / character sets including "CCST" Chinese
- FASTEXT, TOP, PDC, ACI & EPG
- Multiple Output Streams and Transmission lists
- Serial or Parallel Mode option
- VBI line selection
- Packet control: Enable/Disable extension packets
- Optional Row Adaptive Transmission

*SysMedia also produces teletext transmission systems, used by many TV stations worldwide (from Iceland to New Zealand including BBC CEEFAX), and the 2017 shares the same broadcast quality hardware now used in our latest generation teletext inserters.*

## Technical specifications

Teletext test capabilities	World System Teletext, 625 line, EBU SPB 492, ETS 300-706, CCIR Teletext System B Maximum 32 data lines in range 7 to 22 & 320-335 Packet 8/30: initial page, network ident & programme label with time offset (format 1) and/or PDC (format 2) ACI accelerator codes with none / cable / serial / terrestrial. Standard Level 1.5 tests: subtitles, rolling pages, Newsflash, Packet 26 language extension, FASTEXT/TOP, ACI Additional Level 2.5 tests: object definitions, public & local enhancement data
Languages & character sets	Czech/Slovak, English, Estonian, French, Gaelic, Hungarian, Icelandic, Italian, German/Flemish, Lettish, Lithuanian, Maori, Portuguese/Spanish, Polish, Turkish, Slovenian/Serbo-Croat, Swedish/Finnish/Danish, Romanian & Arabic, Byelorussian, Chinese (CCST), Farsi, Greek, Hebrew, Russian, Serbian (Cyrillic), Thai and Ukrainian
Teletext page management	Page Create, Update (Row Adaptive), Replace and Delete; Include or Exclude pages in transmission Up to 256 sub-pages in each multi-page set with adjustable page display rate (in seconds) per page In/Out of sequence pages; Decimal and Hexadecimal page numbers Immediate update / transmission of pages for interactive teletext
Input Signal	Standard: DVB-ASI Transport Stream (75Ω BNC) or MPEG-2 from internal disk (colour bars with tone) Option (MPEG-2 Encoder): Analogue video input - S-Video, composite video (BNC), stereo audio (1x3.5mm, 2xBNC)
Output Signal	Standard: 1 x DVB-ASI (75Ω BNC) Option (RF modulator): 1 x DVB-T UHF/VHF (multi-standard, 47-862 MHz, 50Ω BNC)
Power supply	100-264 VAC, 50-60Hz
Temperature range	Operating 0–40°C (32–104°F) / Storage -20–60°C (-4–140°F)
PC specification	Windows XP Professional, 1 x 10/100 Base-T Ethernet, 2 x USB 1.1 (via front panel), 1 x PS2 with keyboard/mouse splitter (via front panel or rear)
Dimensions (2U)	482 x 88 x 450mm (19" x 3.46" x 17.7") - packed 62 x 58 x 21cm, approx weight 16 kg

## Block Schematic of 2017 showing options



## Model range and ordering information

Model No	2017-A	2017-B	2017-C	2017-D
DVB-ASI output	✓	✓	✓	✓
Modulated RF DVB-T output	✓	✓	✗	✗
DVB-ASI input	✓	✓	✓	✓
MPEG-2 encoder for analogue input	✓	✗	✓	✗

## Associated software options

**Engineering Packet Editor** - allows editing of the extension packets including X25, X27/4, X27/5, X28/0 & X28/4 within a teletext page and can be used to create a custom restricted page set for production line testing.

**WinSPRITE** - SysMedia's full teletext editing package can be used to author bespoke additional teletext pages (sometimes used for corporate messages and client welcome pages).