

Specification DAB752

General

- Supply voltages 100 - 240 VAC, 50-60Hz; 10 - 18 VDC
- Power consumption 33 Watts (max)
- Operating temperature 0 to 45 °C using AC
- -20 to 55 °C using DC only.
- Dimensions 19", 2U high, depth 32cm
- Weight 4.1 kg

Channel decoding

- RF input frequency 174 - 240MHz (band III)
- 1452 - 1492MHz (L-Band)
- Input sensitivity*Selectable -98 dBm/-45dBm
- Maximum input level 0 dBm (Band III)
- -15 dBm (L-Band)
- Damage input level > 20 dBm
- Input impedance 50, N-Connector
- Adjacent channel selectivity* > 40 dB (with DAB signal)
- Decoding capacity 2084 kbit/sec (available at RDI output)
- 64 subchannels

Audio decoding

- Supported audio bit rates $f_s = 48\text{kHz}$: 32, 48, 56, 64, 80, 96, 112, 128, 160, 192, 224, 256, 320 kbit/s
- $f_s = 24\text{kHz}$: 8, 16, 24, 32, 40, 48, 56, 64, 80, 96, 112, 128, 144, 160 kbit/s
- Outputs Analogue audio (left / right; XLR male, analogue balanced)
- Digital audio (TOS-Link, IEC958 consumer)
- Headphone output (6.3mm stereo jack)
- Loudspeaker (85dBA acoustic level)
- AUX 1; PAD output string per audio frame (max. 54 bytes per frame)

Interfaces

- Remote interface RS232C interface for remote control and data logging by a PC.
- RDI interface optical & electrical output to a data decoder (max. 2084kbit/sec)
- AUX2 Error report byte per frame (DAB452 compatible)
- Alarm output Indicating alarm conditions (floating relay contacts 50V, 0.5A)
- CIR / FTR Channel Impulse Response output with Frame trigger (for Oscilloscope)

Graphical display

- Type Monochrome, full graphics
- Text 5 lines, 30 characters
- Additional information Audio level indication

Miscellaneous

- EMC compatibility EN 50103-1, EN 50103-2, EN 55013, EN 55020, FCC part 15B
- Safety standards IEC 950, UL 1419