

# BM8552

## Dual ISDB-Tb Modulator



### DESCRIPTION

Symbol BM8552 IP to ISDB-Tb modulator is a high performance modulator developed according to ISDB-Tb (ARIB STD-B31) standard. It provides a more powerful receiving ability to simultaneously process 4 IP streams inputting from other IP devices in the head end. It outputs digital RF after multiplexing process.

For management and operation, this device supports local and remote control through a web-based NMS system.

### FEATURES

- Complying with ISDB-Tb (ARIB STD-B31) standard
- GE IP port, 4 IP streams input
- Support 4 IP output
- Programs output through RF with multiplexing
- Dual adjacent carriers output (until 32 MHz of separation)
- RF Output frequency range: 30 MHz to 1000 MHz in 1 kHz step
- Support PID remapping
- LCD/keyboard and Web-based NMS operation

### SPECIFICATION

#### IP Input

4 IP (MPTS/SPTS) input over UDP (Unitcast / Multicast) (1000 Mbps port based Ethernet)

IGMP Snooping: v2, v3

#### IP Output

4 IP output, one for one with the 4 IP input

#### General

Dimensions (WxLxH)	482mm×300mm×44mm
Weight	2.3kg
Temperature	0~45°C(Operation); -20~80°C(Storage)
Power	AC 110V / 220V ±10%, 50/60Hz
Consumption	25W

#### RF Output

Standard	ISDB-Tb (ARIB STD-B31)
Bandwidth	6 MHz
Constellation	DQPSK, QPSK, 16QAM, 64QAM
Guard Interval	1/32, 1/16, 1/8, 1/4.
Transmission Mode	2K, 4K, 8K
FEC	1/2, 2/3, 3/4, 5/6, 7/8
MER	≥ 42 dB
Output	30 to 1000 MHz, 1 KHz step
RF Output Level	-30 to -10dBm (17 to 37 dBmV), 0.1dB step

#### System

LCD/keyboard operating and Web-based NMS support  
Ethernet software upgrading

