

B102 Digital Terrestrial Receiver



The Hawkeye B102 COFDM receiver module is a demodulator for use in professional applications where COFDM services are taken off-air and presented as DVB-ASI content to descramblers, decoders or stream processors, or for onward transmission in other networks. Demodulating a single RF channel to dual-buffered DVB-ASI outputs, the module is ideal for redundancy architectures. Status is indicated on the front panel, with additional advanced control, configuration and measurement functions available through the local RS232 port or via the B065 chassis controller module.

The module is housed within the V1606 (3RU) or F010 (1RU) chassis.

Applications

- DVB-T single and multi-service demodulation
- Digital turn-around (DTA) systems
- Signal acquisition for transrating or transcoding platforms
- Off-air monitoring, combined with descrambling or decoding modules
- Off-air signal measurement with user-defined alarm thresholds

Features

- COFDM to DVB-ASI demodulation with dual DVB-ASI outputs
- Tuning by frequency or preset channels with high and low channel offsets
- Demodulated output available in either burst or byte modes, 188 or 204 byte packets
- Supports both single- and multi-frequency networks
- Both high and low priority FEC and transport stream outputs supported
- 16, 64 QAM and QPSK constellations supported
- 7 or 8 MHz channel bandwidth supported
- Independent alarm thresholds for pre- and post-Viterbi
- CSI, UCE, BER measurements and alarm status available through GUI software
- Module status indicator available on front panel
- Remote control through RS232 or Ethernet SNMP v1 with B065 chassis controller

Ordering information

B102 DVB-T COFDM receiver module with single RF input and dual ASI outputs



System integration from studio through to transmission

As a result of continual product development, specifications are subject to change without notice.



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