**Overview**

RF modulators convert video to RF (radio frequency) so the video can be transmitted to a television via its RF input. CMMB (China Mobile Multimedia Broadcasting) is the mobile TV broadcasting standard used in China. CMMB uses 2635-2660 and 470-862 MHz.

Our VHF/UHF **TVB598 CMMB** modulator PCIe card transmits real time video or stored video from the server hard drive and sends it to multiple HD monitors simultaneously, using RF as a carrier. The TVB598 CMMB can connect via an antenna or coaxial cable, and features RF output.

It is suitable for set top box testing, CMMB receiver testing, laboratory applications, digital signage, and video feeds in public areas such as hotels and trade shows.

This card is field upgradeable – you can purchase licenses for a wide variety of additional modulator profiles and upgrade the card immediately. Modulator profiles typically used in North America include QAM, 8VSB, and ATSC 3.0. Modulator profiles typically used in Europe are DVB-T, DVB-T2, DVB-H, DVB-C2, DVB-S, and DVB-S2. Modulator profiles typically used in Asia are ISDB-T, ISDB-S, DTMB, CMMB, and T-DMB.
GUI’s

Board Specifications

Transport Stream Input | From Hard Disk through PCIe
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Bit Rate | Up to 32 Mbps
RF output:
- Connector: 75 ohm BNC
- Frequency: 470–862 MHz
- Level: VHF/UHF -31.5 to 0 dBm
- Freq accuracy: Within 3ppm accuracy
- Attenuation step: 0.1dB
- Phase noise <-90dBc/Hz @ 10 KHz
PCle Bus | PCI express x1 compliant
Dimensions | HxWxL: 20 x 110 x 220 mm (.79 x 4.33 x 8.66 inches)
Drivers | Windows® 7/8/10 32 bit/64 bit, 2000, XP (32/64 bit), Vista (32/64 bit), 7 (32/64 bit), WDM, Linux® 32 bit/64 bit
Operating Conditions | Temperature: 0–50°C (32 to 122°F)
Humidity: 10% ~ 90%, Noncondensing
Conformities | FCC, UL, RoHS, CE Mark

CMMB Specifications

Standard | GY/T 220.1-2006 compliant
Constellation | BPSK, QPSK, 16QAM
Subcarrier | 4096/8 MHz
Modulation | *CMMB modulation from DVB-ASI input is not supported
*CMMB stream should have control information table (CMCT)

Ordering Info

TVB598 CMMB

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