

DDM-520

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A Zero Defects Company



The DDM-520 Demodulator/Decoder is a frequency agile tuner, 8VSB demodulator and MPEG-2 HDTV/SDTV decoder. The DDM-520 is capable of demodulating an ATSC transmission received over the frequency range from 54 MHz to 860 MHz, Offair Channels 2 to 69 and Cable channels 2-125.

The demodulator displays the program information of the received transmission on the Video output. The program information tables selection includes PAT, PMT, MGT, VCT, EIT, STT, and EPG. There is also a selection for Closed Captioning to be decoded and displayed on the video output. One more display available is the Constellation Diagram for viewing the quality of the modulated signal. The demodulator generates an MPEG-2 transport stream compliant with the SMPTE 310M, DVB-ASI and DVB-SPI requirements. The MPEG-2 HDTV decoder de-compresses the demodulated MPEG-2 program streams, accepting either HDTV (main profile at high level) or SDTV (main profile at main level) formats, and generates a multitude of signals including RGB and YPbPr analog Component Video, NTSC analog composite video, SVGA and Serial Digital signals for monitoring the video program selected. An internal colorbar generator can be selected as a source for the video output. A separate connector provides for the selected AC-3™ encoded audio bit stream output. In

addition, the decoder will produce an analog stereo audio output for the selected channel for monitoring purposes. The DDM-520 is packaged in a standard 2RU rackmountable chassis. The front panel has a 4-line, 20-character LCD for viewing channel and configuration information.

FEATURES

- 12 Button Numerical Keypad for direct data entry of channel and sub-channel
- Signal to Noise Ratio and Segment Error Rate information available
- HD/SDI output (option)
- Closed Caption decoded and displayed on the output video
- Transport stream display selection for PSIP table information
- Auto programming of available 8VSB channels
- SMPTE 310M, DVB-ASI, DVB-SPI transport stream inputs and outputs
- Constellation diagram display selection
- CAV, SVGA, SDI, NTSC outputs
- AC-3™ and Stereo Audio outputs
- Standards available: ATSC

