The DVM-150E is a single rack, Professional DTV Receiver/Decoder with the capability of handling SD & HD MPEG-2 4:2:0 DTV signals. Its modular design minimizes cost to the end user and allows it to be used in a wide variety of DTV applications. Seven module slots are available for end users to customize and choose the inputs and outputs that they desire, thus eliminating the extra cost & space of unwanted or unused inputs & outputs. The basic DVM-150E consists of a 1RU chassis equipped with a fan, power supply, motherboard and RS232.

- RF Inputs
- There are two types of receivers to choose from. The two available tuner modules are:
- * 8-VSB - tunes to any VHF/UHF channel, CH2 –69
- QAM - tunes to any CATV channel, CATV1-125
- * QPSK – tunes to L-band frequencies
- Two LED's, located on the front panel of the unit, provide the Lock Status and ATSC-PSIP detection of the RF input signal. SNR
- measurement is displayed on the front panel VFD as well.

Transport Stream I/O
DVB-ASI and SMPTE-310M inputs and outputs are available for those users requiring MPEG-2 transport stream I/O. The LED's, located on the front panel of the unit, also provide the Lock Status and ATSC-PSIP detection of the TS Inputs.

Video Decoding
The unit is capable of decoding MPEG-2 (4:2:0) Main Profile @ High Level, Main Profile @ Main Level, Main Profile @ Low Level and Simple Profile @ Main Level. It supports all 18 ATSC formats including 1080i, 720p, 480i & 480p video formats. Analog video options include NTSC, S-Video, RGBHV / Y Pb Pr. Digital video options include: SDI/HDSDI. The unit also supports DTVCC & NTSC Closed Caption overlay and can decode both EIA-608B and 708B standards.

Audio Decoding
Digital and analog audio outputs are available on a variety of connector types. The unit decodes both AC-3 and MPEG-1 audio to Analog Left & Right. An additional module can be internally installed, to provide Secondary Audio Programming on any of the three types of connectors.

User Interface
All settings and controls can be viewed and set using the front panel's VFD screen and directional arrow keys. An RS232 option is available to save time and improve ease of use.