Phone: +91-0171-2643080, 2601773
Email : sales@naugraexport.com

Product Name :	**Product Code :**
16 QAM Training System for Communication Teaching Labs	COM-TR-25

Description :

16 QAM Training System - 16 QAM Training System -Today advanced communication technologies are growing in a tremendous way. Technologies like wireless communication, mobile communication, satellite communication, data communication, RF ID etc enters in our daily lives. M-ary signaling schemes are preferred over binary signaling schemes for transmitting digital information over band-pass channels when the requirement is to conserve bandwidth at the expense of increased power. In practice, we rarely find a communication channel that has the exact bandwidth required for transmitting the output of an information source by means of binary signaling schemes. Both the phase and amplitude can simultaneously be varied in Quadrature Amplitude Modulation (QAM). More bits can be send in each symbol, but an unavoidable decrease in the tolerance for noise results. Thus, 16-QAM with many possible values works very well in wired & wireless channels. Scientech 2136 Training System is an ideal solution to bridge the gap between the theoretical studies and practical working of 16-QAM. With this student will study the step by step journey of the signals from source to destination. Real-time software mode will help student to perform experiments without having Analog or Digital Oscilloscope or Logic Analyzer.

Encoding: 4 bits encoding with Symbol Mapper

Modulation: 16-QAM Modulation with I & Q Channel

Constellation (Vector / XY) View

User Selectable Hardware / Real-Time Software Mode

No need of external Data Acquisition Card

With the help of Real-time Software, student can control as well as analyze Digital signals, Analog signals, Mixed signals and XY mode

User selectable step variable clock frequency

User Selectable 8 / 16 / 32 / 64 bit Data

Digitally Synthesized Sine & Cosine Wave of Maximum 19.2KHz.

External Trigger Out

More than 25 Test Points

Exhaustive learning material

Naugra Export

Website: www.naugraexport.com, **Email:** sales@naugraexport.com

Address: 6148/6, Guru Nanak Marg, Ambala Cantt, Haryana, India, **Phone:** +91-0171-2643080, 2601773