Telecast Fiber Systems, Inc. *Viper*™ *II*

Modular Platform for Digital and Analog Production

The Viper II platform simplifies and expands the world's most widely used fiber optic system for television production and distribution.

Viper II, Based on Experience

The Viper II draws on years of world-wide experience in television broadcast production. The original Viper is used by TV networks and stations around the globe for sports, news and entertainment. We pioneered many of the advances in fiber optics for remote broadcasts, as well as fixed systems for STLs, digital transmission and HDTV production.

Now we have integrated these quality products and features with new innovations in electronics, electro-optics and packaging to bring you the Viper II. The result is an easy to use, flexible system that serves all your facility's video, audio and auxiliary communications, at a price you can afford. The Viper II is a natural evolution of the Viper—a system you can depend on.

A System that you can grow

Not all broadcast systems begin as a complex network of video and audio communications. They often begin as simple, low cost links that expand into something much larger. This is the beauty of the Viper II.

You can begin with economical "throw down" boxes where you need them and then, when you accumulate multiple boxes, consolidate them all into a single rack frame by using module conversion kits. They become plug-in cards with the quality, performance, flexibility and reliability that you expect from Telecast.
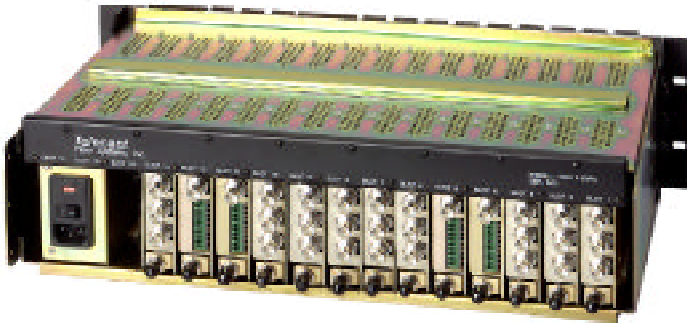
Features

- *Universal 16-slot card cage*
- *Rack modules or stand-alone*
- *Multichannel video & audio*
- *Serial digital video, including*
    - *— **ITU-R 601** (270 Mbps)*
    - *— **SMPTE-292M** (Hi-Def)*
- *Wideband NTSC/PAL video*
    - *Studio quality, RS250-C (SH)*
- *24-bit digitally transmitted audio*
- *RS232 and RS422 data*
- *GPI closures, including tally/call*
- *Redundant power supplies*
- *Alarmed UPS protection*
- *Low power consumption*
- *Cool operation, no fans*
- *Wide temperature range*

Applications

- *Studio and campus facilities*
    - *Room to room*
    - *Floor to floor*
    - *Building to building*
- *Pre-fibered Facilities*
    - *Sports venues, airports, malls,*
    - *government buildings, etc.*
- *Studio-Transmitter Links*
- *CATV/Telco Video Backhaul*
- *Metropolitan Video Links*

The Perfect Video & Audio Connection for your Facilities or Venue
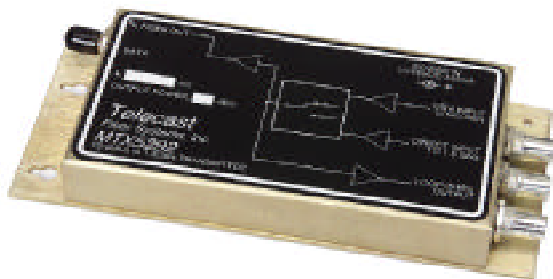

Viper II starts with a universal mounting frame

- Only 3RU high, this 19-inch frame has 16 card slots
- Mix and Match Analog or Digital, Video or Audio
  - Function modules (transmitters or receivers) typically 1 slot
  - Any function module in any slot
  - Front panel displays on function modules
- Powering options
  - Power from single PS5000, 90 to 240 VAC, Auto sensing
  - Add a second PS5000, for power redundancy
  - Add a PS5010 Alarmed UPS, for 10 to 30 min. backup
    Power supply and UPS modules each occupy 2 slots
- Consumes less than 100 watts fully loaded (14-modules)

...and continues with stand-alone modules

- Houses one transmitter or receiver function module
- Wall mount, table top or "throw down"
- Easy conversion from rack mount carrier
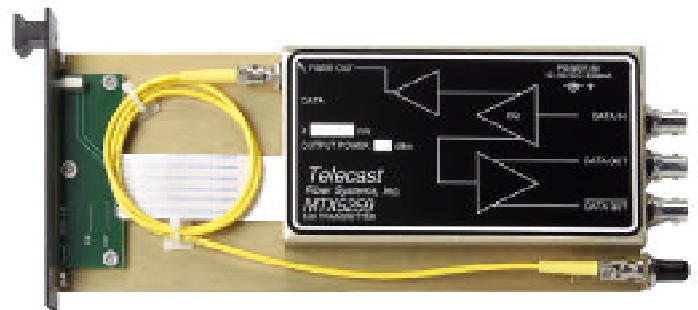- Power with low cost cube, 12 VDC, 2.5 mm jack, 350 ma

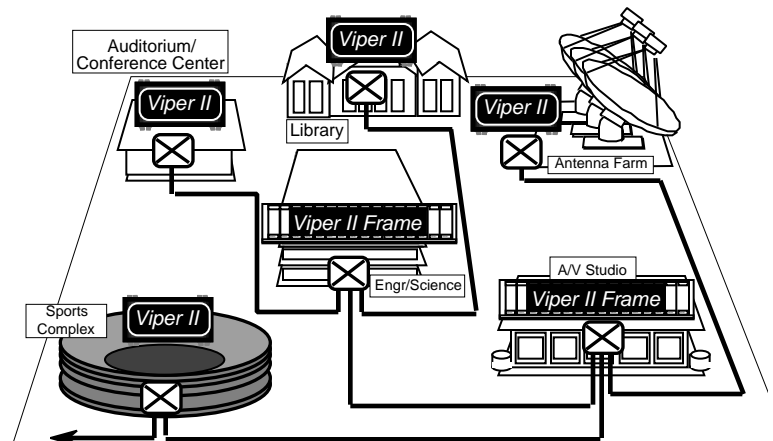*Throw-down modules are the low cost way to serve one location.*

A Growing Array of Function Modules

- **TX/RX5259**—ITU-R 601 serial digital video interface; 270 Mbps & others
- **TX/RX5292**—HDTV serial digital video interface; 19.4 Mbps to 1.5 Gbps
  Note: Above modules are cross-compatible with Telecast's Python™ and the Viper™ TX/RX259 and TX/RX292 modules.
- **TX/RX5122** — NTSC/PAL Video plus digitally multiplexed stereo audio & data
- **WDM** — Multiple signals on one fiber via wavelength division multiplexing
- **PS5000**— Power supply module; 120/240VAC; use two for redundancy
- **PS5010**— UPS Battery backup module for Viper II
  See individual module data sheets for specifications

Rack mount any module at your convenience with a simple conversion kit.

A combination of Viper II rack frames and stand-alone modules becomes a powerful network for your facility's fiber optic backbone network.

Represented by:

www.telecast-fiber.com

Telecast
Fiber Systems, Inc.