

Fibre optic switching from Videlco

Increasingly, mission-critical applications are using fibre optic to provide communications that are more resistant to the signal degradation that can occur with traditional materials.

On the **Videlco** stand, the company is highlighting a number of Multidyne products, including the Multidyne Fiber Optic Switcher (FOS) which the company says is ideal for video broadcast, production, security and other video applications requiring transmission, switching and replication of high-quality optical signals.

The FOS is available in matrix sizes starting at 32x32, fully scalable to 256x256. It delivers guaranteed, non-blocking, deterministic switched video connections on fibre optic links.

Key features include transparent optical switching; support of any analogue or digital formats; 32x32, 64x64, 128x128, or 256x256 ports; optical multicast; and simple web-based or script-based control

The Fiber Optical Switcher revolutionises how video is distributed and managed, according to Videlco, and is based on state-of-the-art field proven photonic switching technology. Laser light is switched in a pure optical format, allowing the FOS to support transparent connections compatible with any video or data format including uncompressed HD video at 1.5 Gbps.

Also, since the switching is done optically, the FOS eliminates video degradation. With a traditional electrical switcher, Electrical to Optical



The Multidyne Fiber Optic Switcher can handle 256 x 256 ports

(EO) and Optical to Electrical (OE) conversions are required which cause signal degradation and jitter.

The FOS supports a wide range of formats from 19.4Mbps ATSC through 1.5Gbps HDTV as well as NTSC, PAL, SECAM, SMPTE 259M Serial Digital (SDI) Video, broadband analogue, L-Band, IF, and many more. The optical switcher will also transparently switch CWDM and DWDM signals. **Stand: L128**