

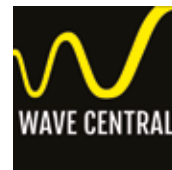
Broadcast RF over fiber technology



RF over fiber provides superior distance and flexibility compared to copper coax or line-of-sight solutions. In fact, entire stadiums, racetracks and golf courses can now be covered with wireless cameras. **ViaLite** equipment is used regularly to support live broadcast of major events around the world and has also been used to support wireless communication during opening ceremonies. **ViaLite** can be relied upon for mission-critical applications.



VISLINK



COBHAM



ViaLite is pleased to be associated with some of the biggest names in broadcast systems.



“ViaLite RF over fiber is a key part of our service to the broadcast industry”

Chris Brandrick, Broadcast RF – supplier of wireless camera equipment to some of the world's largest television companies.



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Broadcast RF over fiber technology

The broadcast industry is increasingly using fiber links over traditional copper cables for video and audio. **ViaLite** RF over fiber links are used extensively in broadcast, particularly for:

- Wireless camera and microphone links
- Production communications (in-ear monitors, intercoms, IFBs)
- Outside broadcast.

The transparency of the fiber optic link means it can be used for any modulation scheme. Fiber based antenna remoting offers a number of advantages over conventional coax and triax solutions:

- Higher performance signal transmission
- Longer link distances
- Lighter and faster to deploy
- Can be integrated with an existing network.

In addition, **ViaLite** rack equipment and small form factor modules can be integrated into existing receiver equipment to convert the signals onto fiber for relay back to the production desk. Using WDM, **ViaLite** can multiplex diversity antenna signals down a single fiber. Reverse camera control is also possible.

As is required by the broadcast industry, **ViaLite** products are:

- Plug and play
- Need no experience of optical fiber
- Rapidly deployable
- High performance
- Robust.

Outdoor enclosure range available.

ViaLite benefits

- Optimized for DVB and analog video
- Bandwidth ranges available from 2 kHz to 7.5 GHz
- Transmission distance 1 m -> 50 km
- Suitable for all signal formats
- Compact plug-in module for 19" rack or standalone use
- OEM modules for equipment manufacturers
- Low signal losses and wide dynamic range
- Can operate over existing fiber backbone

