

Title: OS803 T/R

Product number: OS803

Brochure Number:

General: The OS803 is a 3-channel video on fibre transmitter/receiver card that plugs into the OS800 rack system. The OS803 does not have its own power supply, and therefore receives its power from the OS800 rack.

Operation: The OS803 is a 3-channel system, meaning, it can support three independent video channels. The coax cables from the cameras are plugged into the OS803 transmitter card. The electrical signals from the cameras are then converted into optical signals, which are sent through three fibre optic cables where they are received by an OS803 receiver card that converts the optical signals back to electrical signals. These electrical signals are then sent to the monitor through a 4-way switcher, which enables the user to switch between the three channels.

The advantage of using fibre optic cable is that the optical signal from the transmitter card can be sent a long way, from 3.5km on 850nm multi-mode fibre to 25km on 1300nm single-mode fibre, depending on the optics used.

