

## New 2E1 FSO System for Telcos

### Press release for 2E1 FSO system for Telcos

PAV are proud to announce that the new fully digital PAVLight 2E1 FSO system is now available.



The 2E1 system (2.048Mbps) has been developed from the PAVLight range which means that it benefits from the latest digital technology and therefore it is not an upgrade but a development from a proven digital design.

Two independently clocked E1 circuits transmit data streams over a single FSO link up to distances of 4km. Only one low cost Cat5 cable (RJ45 connector) is required – enabling low installation cost. (A 75 Ohm option is also available – enabling the use of coax).

An Alarm Indication Signal (AIS) is available on all E1 channels under fault conditions or LOS (Loss Of Signal).

No indoor unit is required - so no real estate costs. This means no multiplexer is needed to connect the two E1 circuits to the link head. This is now achieved at the link head itself.

Another great benefit of PAV's modular design is that the 2E1 system can be upgraded by a simple module swap from 2E1 to 4E1, with no realignment required.

The system enables a reduction in the infrastructure equipment required while at the same time doubling the transmission capability of a single FSO link. In common with the rest of the PAVLight range, the 2E1 is available in both 2km (single transmitter versions) and as a 4km (3 transmitter) versions.

The addition of PAV's 2E1 FSO system to the extensive PAVLight range of free space optics products enables the telecommunications industry to continue its relentless expansion worldwide using ever more cost effective solutions and proven technology.