

DVI interface extension via fiber optic

Long-haul connection of digital large-screen displays and video walls



DVI Extender (transmitter & receiver module)

Press Release

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MICROSENS, the fiber optic solution specialist, has released a DVI Extender for using fiber optic for digital image transmission onto the market.

DVI stands for Digital Visual Interface and is an interface for the digital transmission of video data. For computer applications, DVI is also the standard connection for TFT screens and high-quality projectors. In the entertainment electronics sector, there are already TVs that also have a DVI input and can process signals from digital sources such as PCs or DVD players.

The use of DVI extenders is particularly interesting for operating large video walls, which are usually found in stadiums, exhibitions, stages, outside advertising, airports or train stations.

The MICROSENS DVI extenders support the digital standard DVI-D for single link applications with a maximum resolution of 1600x1200 (UXGA). As using DVI does not compromise image transmission, it is easy to achieve data rates of up to 1.65 Gbps. The feasible distance for copper cables is limited to a maximum of 5 to 10 m.

The use of fiber optic cables makes it possible to establish spatial separation of display panels and screens over distances of up to 700 m. This means image data can be supplied in easily accessible, service-friendly areas, even if the corresponding large-screen display is located in an exposed area, e.g. under a hall ceiling. Furthermore, by using passive splitters/couplers, it is easy to implement multi-monitor operation, i.e. one video source feeds several displays.

Four fibers are used for unidirectional transmission. The connection is made using standard LC connectors for multimode fibers (50/125 µm).

Please find this press release, background information and high-resolution images at:

www.microsens.com

Newslink: 820198

Company Profile

MICROSENS is a world leader in production of fiber optic data transmission systems. The companies' expertise covers all applications using fiber optics, ranging from local area networks (LAN), via access networks right up to industrial and metro networks (MAN).

Heavy investments into the latest manufacturing equipment together with most advanced technology guarantee leading edge solutions. MICROSENS offers creative solutions using high quality components in order to meet customer requirements at the highest level in an application orientated and cost effective way.

Since its foundation in 1993, MICROSENS, which is based in Hamm, Westphalia (Germany), has concentrated with increasing success on the development and production of active components for data communication networks.

MICROSENS sells its solutions worldwide via the headquarters and the representative sales offices in France, Poland and Singapore. The product range is sold and supported locally by certified Sales Partners. All delivered products meet international regulations and standards, such as Gigabit Ethernet, SONET/SDH, Fibre Channel etc..

The tremendous growth of the company leads to an international awareness as a manufacturer of active fiber optic systems. Due to the fact that MICROSENS has its own production facilities orders can be processed quickly and efficiently according to the customers requirements.

In autumn 2006 a further step for the future success was made. Due to the investment of the new main shareholder MICROSENS now belongs to the fast growing and high profitable euromicron group, which has a focus on networking and fiber optic technology with its several investments in the IT industry.