Long-Distance PC-less Terminals

up to 50m through 2 wires

A new chip generation based on Inova's GigaSTaR concept (Gigabit Serial Transmit and Receive) much better serves all long-distance terminal applications allowing long-haul video transmission to displays at SXGA resolution with 24 bit colour depth (UXGA at 18 bit).

The GigaSTaR Digital Display Link (DDL) is available in two product families: DDL165 (transmitter INDT165 and receiver INDR165) for screen resolutions up to XGA, and DDL330 (INDT330 and INDR330) up to SXGA/UXGA. All DDL chips offer a configurable digital 12/18/24/36/48 bit RGB interface (PxClk, PxD, HSYNC, VSYNC, DE), which 1:1 matches many graphic controllers and TFT or plasma display interfaces. Since all industrial remote terminals require human-machine-interaction (HMI), the DDL-link provides a generic, bi-directional sideband channel up to 100 Mbit/s which is partly multiplexed into the video downstream to save one cable pair. The sideband can be configured to four separate 1 Mbit/s channels, or to one high-speed channel up to 100 Mbit/s (two channels available at INDT/R330.

INOVA SEMICONDUCTORS GMBH,
Tel. +49-89-45747560 • Fax +49-89-45747588

enter IEN05411 or ☑ Hot line at www.ien-online.com