

Vision controls visual operator interface

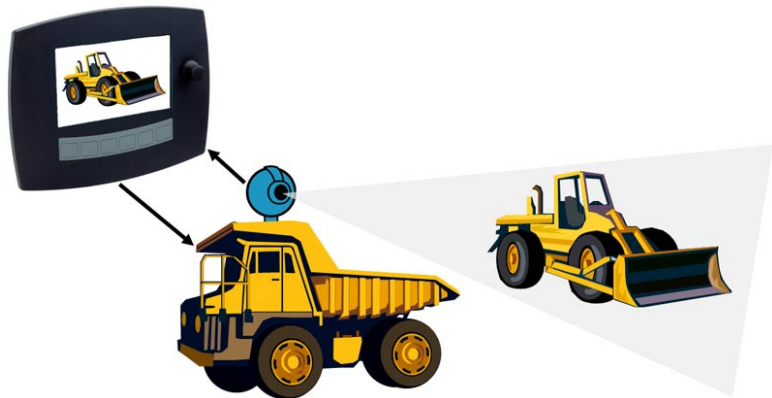
TTControl Offers Camera Vision System

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TTControl – TTTech Off-Highway, a supplier of electronic control systems for off-highway vehicles, designed an innovative camera vision system. This visual operator interface allows machine operators to better keep their work environment in view, thereby increasing safety and productivity at work. Equipped with an LCD module and up to three cameras, the camera vision system is controlled by Vision, TTControl's powerful visualization unit.

Bad or limited view is one of the most frequent causes for accidents at construction sites. Operators with no or little vision reverse their machines and run down vehicles or workers. This often leads to damages to property and persons with tremendous downtimes in their wake. TTControl's innovative camera vision system is designed to avoid such dangerous situations.

This visual operator interface consists of a digital LCD module, a visualization unit and up to three analog PAL cameras. The cameras are designed for outdoor use, have an internal heater and are supplied by the video adapter card. The LCD module provides adaptable illumination for changing light conditions and comes with a 6.5", 7" or 10" color display. Other LCD display models are supported at customer request.



At the heart of TTControl's camera vision system is Vision. This visualization unit controls the views of the cameras and displays the machine parameters. Integrating the camera vision system with the vehicle application in a single LCD display is an enormous advantage, reducing production costs and increasing operating safety.

The Vision is originally designed for use in vehicles and machines that run in harsh environments and at extreme operating temperatures. Its robust injection-molded aluminum housing protects against electromagnetic disturbance and mechanical stress. Vision can connect with both CAN and TTP[®] (Time-Triggered Protocol) networks.

The Vision provides both a Low Voltage Differential Signaling interface (LVDS) and a PAL/NTSC interface. The user can interact with the control unit in three ways: by keyboard, by encoder, or by touch panel.

About TTControl S.r.l. – TTTech Off-Highway

TTControl offers electronic control systems for off-highway vehicles, such as agricultural and construction machinery, fork lifts, cranes, and snow groomers. TTControl's software and hardware platforms enable manufacturers of off-highway vehicles to develop reliable electronic control systems quickly and economically. TTControl is the subsidiary of TTTech Computertechnik AG specialized in off-highway vehicle control.

Further information on TTControl is available at www.ttcontrol.com.

About TTTech Computertechnik AG

TTTech Computertechnik AG is the leading supplier of technology and software products in the field of time-triggered systems and TTP[®] (Time-Triggered Protocol). TTTech products enable developers of automotive, aerospace, and industrial control equipment to deliver reliable embedded systems quickly and efficiently. TTTech's products comprise a complete software development environment for TTP-based systems, including hardware as well as TTP chip models. In addition, TTTech provides a broad range of services, from training courses on time-triggered technology to worldwide product and project support. TTTech especially emphasizes by-wire systems, integrated vehicle control systems, and driver assistance systems.

Further information on TTTech is available at www.tttech.com.

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