



News Release

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FOR IMMEDIATE RELEASE

VOLVO TRUCKS OFFERS NEXT-GENERATION BENDIX SAFETYDIRECT®
PROCESSOR ENABLING EXPANDED RECORDING TIME
FOR DIGITAL VIDEO RECORDER, AND A DRIVER-FACING CAMERA
Fleet Input and Safety Considerations Helped to Drive New Capabilities

ELYRIA, Ohio – July 1, 2021 – Bendix announces the release of its powerful fifth-generation SafetyDirect® Processor (SDP5™ Full) on the Volvo VNL, VNR, and VHD models from Volvo Trucks North America. The SDP5 Full processor – delivering new capabilities for the online SafetyDirect platform by Bendix – enables not previously available features, including a digital video recorder (DVR) that continuously records up to 145 hours of streaming video from Bendix's forward-facing camera, a new high-definition color driver-facing camera, and an internal battery backup to help prevent data loss.

Using a more powerful processor and software, the SDP5 Full technology is the latest step in the evolution of the SafetyDirect system technology roadmap aimed at offering fleets more valuable information and options to enhance vehicle, driver, and roadway safety.

SafetyDirect is fully integrated with Volvo Active Driver Assist (VADA), the comprehensive driver assistance system that utilizes Bendix's flagship collision mitigation technology, Bendix® Wingman® Fusion™. In late 2020, Volvo Trucks released the SDP5™ Base processor on its Volvo VNL, VNR, and VHD vehicles, with Wi-Fi connectivity and a DVR with lower storage capacity. The SDP5 Base processor remains a factory-installed option with the introduction of the SDP5 Full option.

“Fleets have long turned to Volvo Trucks with safety being top of mind, and Bendix is a proud partner of Volvo when it comes to helping equip its vehicles and its drivers with the most advanced safety systems on the road,” said TJ Thomas, Bendix director of marketing and customer solutions – Controls. “With this next generation of SafetyDirect® technology, we’re delivering features that have topped the lists of fleet feedback on how we could make these systems even more effective in supporting their drivers and safe vehicle operation.”

More Actionable Information and Data Preservation

Bendix notes that the DVR function greatly expands the amount of information available to fleets.

“Released at Volvo Trucks in 2020, the SDP5™ Base processor can constantly record up to 83 hours of video, while the new SDP5™ Full version increases that capacity by 70%, to 145 hours, along with the addition of footage from the Bendix® Driver-Facing Camera, helping fleet managers better assess what happens both in front of and inside a vehicle,” said Hans Molin, Bendix director of connectivity. “Previously, SafetyDirect video recordings only used the VADA (Wingman® Fusion™) forward-facing camera, and the recording was limited to the seconds immediately before and after the event. And a DVR makes it possible to help fleet operators see even more of the circumstances leading up to or following an event.”

The SDP5 Full processor collects relevant data around triggered, severe events and ongoing driving through the VADA camera, the Bendix Driver-Facing Camera, and the vehicle’s J1939 CAN Bus.

Molin also noted that in the past, lower-impact events might not have triggered the SafetyDirect video recording, which meant fleets had less information to work with when analyzing the occurrences. With the new SDP5 Full processing system, video will be accessible regardless of an event’s severity.

The SDP5 Full option is also equipped with an internal battery backup to help prevent data loss if the vehicle loses power. This battery can power the SDP5 Full processor for up to five minutes while data and video recordings are saved internally. Relaying in-progress data and video to the SafetyDirect server will continue throughout the up to five-minute window as long as the transmission channel remains active.

Accessing the DVR video will be also possible truck-side when Bendix releases the SafetyDirect Mobile app, which will enable the user to log in to the system using the Wi-Fi connectivity to a mobile device. Additionally, with the click of a button, they can upload DVR footage to the SafetyDirect web portal for other authorized users and fleet managers to view.

Tools and Technology for the Future

“Volvo trucks equipped with SafetyDirect® SDP5™ technology give fleets even better tools to assess driving trends and develop targeted driver training that addresses the real issues taking place on the road,” said Ashley Murickan, product marketing manager, Volvo Trucks North America. “With customizable dashboards, event classification based on specific needs, and information that can be tailored to a fleet’s particular safety requirements, it’s a system we’re pleased to offer our customers, and one which continues Volvo Trucks’ pursuit of safer roads for everyone.”

The Bendix® Driver-Facing Camera uses a color, high-resolution imager with infrared capability for better visibility in low-light conditions. The camera’s wide field of view helps capture the environment from the driver’s side A pillar to the passenger side B pillar for more complete analysis.

“There’s no advanced driver assistance technology on the road today that replaces the need for safe and alert drivers practicing safe driving habits,” Thomas said. “The importance of comprehensive, proactive driver training cannot be overstated. SafetyDirect and VADA work together to provide fleets with actionable information and tools to support their safety efforts on and off the roads.”

Bendix delivers on the areas most critical to fleets’ success – including safety, vehicle performance and efficiency, and unparalleled post-sales support – through its ever-growing portfolio of commercial vehicle technologies. By helping lower their total costs of vehicle ownership and strengthening return on investment in the equipment and technologies that keep trucks and drivers safe, Bendix aims to enhance the safety of everyone sharing North America’s roads.

For more information about SafetyDirect, call Bendix at 1-800-AIR-BRAKE or visit the SafetyDirect page at Bendix.com.

About Bendix Commercial Vehicle Systems LLC

Bendix Commercial Vehicle Systems, a member of Knorr-Bremse, develops and supplies leading-edge active safety technologies, energy management solutions, and air brake charging and control systems and components under the Bendix® brand name for medium- and heavy-duty trucks, tractors, trailers, buses, and other commercial vehicles throughout North America. An industry pioneer, employing more than 4,100 people, Bendix – and its wholly owned subsidiary, R.H. Sheppard Co., Inc. – is driven to deliver the best solutions for improved vehicle safety, performance, and overall operating cost. Contact us at 1-800-AIR-BRAKE (1-800-247-2725) or visit bendix.com. Stay connected

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