What's Acti-Vue® Blind Spot Detection System?

Acti-Vue® blind spot detection is an Acti-Vue® camera system using image processing technology to provide real-time audio and visual warning to the driver for detecting moving object coming into the blind-spot area to prevent potential accidents. As an option, one channel or three channels detection function with a rear view camera is available. Activation of the detecting function is controlled by the speed and the turn signal / indicator of the vehicle. There is no need to initiate or stop it manually.

Why need to use
Acti-Vue® Blind Spot Detection System?

Nowadays, most vehicles have been installed the passive camera system to assist driver to cover blind spots, however, sometimes the accidents still happens. The active safety systems can improve traffic safety had been reported in European study (Euro FOT). Acti-Vue® blind spot detection systems provides automatic monitoring function for detecting object which present in the blind-spot area and therefore gives immediate audio and visual warning to the driver to eliminating risks.

What's the function?

The Acti-Vue® blind spot detection system not only provides active visual and audio warning to the driver, but also built-in the LDW(lane departure warning) function.

Front Acti-Vue®

By mounting the wide viewing camera at the front of the vehicle, pre-set the detection zone, the image will be processed through an integrated interface for the front Acti-Vue® in a stand-by mode. Acti-Vue® will activate automatically as the speed is under 10km/hr to assist the driver to notify any obstacles in the front of the vehicle and provides immediate active warning including flash lights (visual warning) and beeping sound (audio warning) to alert the driver when detected potential danger.

Side Acti-Vue® (L/R)

The side view image is taken through a side camera. Within the image, the detection zone is pre-set, and the side Acti-Vue® can be activated by the turn signals/indicator. When the vehicle is changing lane with the indicator on, where there is a obstacles enters from the rear side of the vehicle, the Acti-Vue® system will provide warning immediately to alert the driver.
**LDW (Front)**

THE Lane Departure Warning (LDW) System will start automatically as the speed over 60km/hr. It detects the lane marking on the road. When the driver is not paying full attention that caused the vehicle travelling out of the lane, the system will also alert the driver immediately.

New safety regulations that come into in 2013: any newly designed lorry, bus, coach or nine-seat minibus will have to include a Lane Departure Warning System and an Advanced Emergency Braking System, which detects vehicles in front and applies the brakes if it senses a collision is imminent.

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**2 Channel Acti-Vue®**

**Option 1**
Built-in control box

**Option 2**
Existing monitor compatible

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**4 Channel Acti-Vue®**

**Option 1**
Built-in control box

**Option 2**
Existing monitor compatible

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**Why choose Acti-Vue® Blind Spot Detection System?**

- Industry / automotive standard
- It’s more accurate and work under all-weather condition than ultrasonic sensor
- Technology with cooperation of ARTC (Automotive research & testing center in Taiwan)
- Adjustable detection zone and alert sensitivity
- Video output to external DVR for recording
- Optional rear camera input for reversing
- Easy installation and calibration
- Suitable for all vehicle types

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Success story of Acti-Vue® BSD

Our Acti-Vue® BSD system was successfully installed in the garbage truck owned by Henrik Tofling (large waste disposal company) via our distributor T & L OVE & CO APS. The installation was a quick process with the active warning function the system provides which minimizes the potential risk. The press released article about this successful case from DTZ magazine states as below.

Meanwhile, our Active BSD system was also successfully installed on MAN trucks for Carlsberg Denmark. For more details, please visit http://www.business.dk/transport/carlsberg-goer-sine-tasbiler-sikere.

<table>
<thead>
<tr>
<th>DM 70A</th>
<th>DM 70B</th>
<th>CM 30A</th>
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</thead>
<tbody>
<tr>
<td>7&quot; High Resolution Digital Monitor</td>
<td>7&quot; High Resolution Digital Monitor</td>
<td>Image type: 1/4 inch SONY CCD</td>
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<td>With built-in Control box</td>
<td>With built-in Control box</td>
<td>Lens: 1.2mm,F2.9,192° diagonal</td>
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<tr>
<td>Weatherproof IP30</td>
<td>Weatherproof IP30</td>
<td>Width View angle</td>
</tr>
<tr>
<td>2 Video inputs</td>
<td>4 Video inputs</td>
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<th>CB 717A</th>
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<tbody>
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<td>Embedded hardware : DSP based</td>
<td>Embedded hardware : DSP based</td>
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<tr>
<td>Operation frequency : 800MHz</td>
<td>Operation frequency : 800MHz</td>
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<td>2 Ch image input &amp; 1 Ch image output</td>
<td>4 Ch image input &amp; 1 Ch image output</td>
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