

360° SURROUND VISION SYSTEM

SV12 360° Surround Vision System provides realtime and surround view of the vehicle for blindspot detection. It consists of 1 video processor and 4 1080P cameras. The video processor creates a panoramic real-time stitching high-definition imagery of the vehicle that can be displayed on Gatekeeper's Video Display Mirror. The Video Display Mirror's monitor is off when the vehicle is moving forward.

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360° SURROUND VISION CAMERA SYSTEM

4 CHANNELS PANORAMIC REAL-TIME STITCHING SCENE



KEY SPECIFICATIONS

Video Processor

- Dual Core
- H.264 Video Compression
- Video stitching to provide 360° images around the vehicle

Camera

- Four 190° wide angle fish eye cameras
- Analog High-definition 1080p 30FPS
- Convenient and simple calibration procedure

1080p WIDE ANGLE CAMERA

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As the vehicle is reversing or making side turns, the display monitor turns on and provides a split-screen display of a 360° stitching image and a rear, left, or right view. The display monitor shows the parking guidance line while parking the vehicle.

The 360° Surround Vision System is easy to install, setup, and calibrate. It is customizable to meet various vehicle requirements.

VIDEO PROCESSOR

VIDEO INPUT 4 Analog High Definition (AHD) channels

VIDEO OUTPUT 1 channel 1080p, 1 channel D1

VIDEO RESOURCE 1080p (1920 x 1080)

VIDEO COMPRESSION H.264

VIDEO SYSTEM NTSC / PAL

TRIGGER INPUT Left turn, Right turn, Reverse signal

TRIGGER DISPLAY Left turn – split display of left side view

and 360° stitching image

Right turn – split display of right side view and 360° stitching image

Reverse – split display of rear view and

360° stitching image

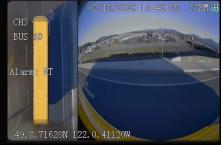
OPERATING TEMPERATURE -22°F to +155°F (-30°C to +70°C)

02/12/2020 15:52:15 46MM/E CH3 BUS 40 Alarm: EK LT

Left Turn Camera View



Reverse Camera View



Right Turn Camera View







CAMERA

IMAGING SENSOR 1/2.9" SONY CMOS

VIDEO SYSTEM NTSC / PAL

RESOLUTION 1080p (1920 x 1080)

MINIMUM ILLUMINATION 0.1 Lux (day), 0 Lux (with IR)

OPERATING VOLTAGE 12V (powered from video processor)

OPERATING CURRENT <140mA DC 12V

OPERATING TEMPERATURE -22°F to +155°F (-30°C to +70°C)

IP RATING IP69K