



360° SURROUND VISION SYSTEM

SV12 360° Surround Vision System provides real-time and surround view of the vehicle for blind-spot 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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SV12 360° SURROUND VISION 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

GATEKEEPER

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1080p WIDE ANGLE CAMERA

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.

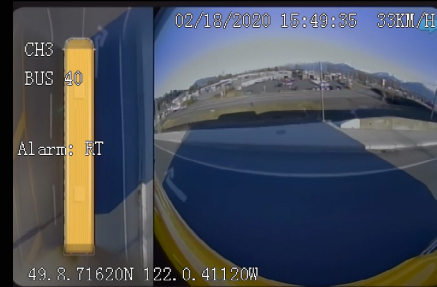
The 360° Surround Vision System is easy to install, setup, and calibrate. It is customizable to meet various vehicle requirements.



Left Turn Camera View



Reverse Camera View



Right Turn Camera View

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)

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

