

# Cat<sup>®</sup> WAVS

## Work Area Vision System



### **Improving jobsite vision increases safety—and productivity.**

Caterpillar engineers designed the Cat<sup>®</sup> Work Area Vision System (WAVS) to improve an equipment operator's view of busy jobsites. With options featuring up to four robust, external closed-circuit cameras and an in-cab-mounted display monitor, Cat WAVS enhances an operator's awareness of the site surroundings, work tool activities and changes in work area conditions—increasing safety and productivity.

Depending on equipment size, worksite environment and application, you can select precisely the WAVS options you need. Whether that's one or two cameras for smaller machines operating in lighter duty applications, or up to four cameras to maximize visibility of your larger equipment in the most rugged applications.





## Add Extra “Eyes” on Jobsites with WAVS

### Easy Installation and Integrated Operation

For Cat machines and your entire fleet, installation of the one, two, three or four camera WAVS options is quick and easy with any 12-volt or 24-volt DC system. Its closed-circuit camera system is integrated into equipment, so WAVS automatically prompts each camera based on machine motion to send the appropriate view to the display monitor. For example, when an operator shifts into reverse, the camera with a rear view of the machine automatically appears on the display.

### Rugged Camera Features Reduce Blind Spots

WAVS does not replace mirrors, but it does help take the guess work out of machine surroundings for operators. They can quickly position each camera to view blind spot locations, which reduces machine incidents that can result from poor visibility. Or, they can focus a camera’s lens on specific areas to improve productivity. Each camera features a robust design that withstands 15Gs of vibration and protection from high-pressure washing. Other notable camera features include:

- Internal heater for removal of condensation, snow and ice for continuous visibility
- Chemically hardened glass, which prevents breakage, scratches and damage
- “Eyeball” design that makes adjusting lens position easy and versatile, with no vertical or horizontal bracket limitations
- Panoramic 115° and Narrow 78° views so operators see much more of the work area and more detail



## Clear, Bright Cab Monitor Improves Jobsite Vision

With its 7" Thin Film Transistor (TFT) liquid crystal display with LED backlighting, WAVS increases operator visibility of the jobsite, which means safety and productivity increase too. The clear, easy-to-see image on the cab's display monitor also offers ergonomic benefits for operators. The display features:

- Wide video graphics array (WGVA) resolution for sharper images and clear viewing
- Aspect ratio of 16:9 for a wider viewing area
- Resistance to water, splashes and other moisture
- Automatic brightness control that senses and adjusts to changing light conditions
- Full on-screen display functionality in 13 languages\* for global use
- Easy to navigate menu structure for intuitive operation
- Built-in power protection against induction voltages, load dumps, and over and under voltage
- Caterpillar tested and validated for heavy duty applications

\* English, Dutch, German, French, Italian, Polish, Portuguese, Spanish, Turkish, Swedish, Finnish, Danish and Norwegian.

## WAVS Options to Fit Your Entire Fleet

With three Cat WAVS options designed for different machine and application needs, you can improve visibility for all of your fleet's operators.

- **CUSTOM SYSTEM**—includes a core system with your choice of up to four cameras. You follow 4 easy steps to order other system components, like cable length—for a truly custom fit to your machine.
- **STANDARD KIT**—a convenient, pre-packaged kit with your choice of up to four cameras that includes the key standard parts you need.
- **LIGHT DUTY KIT**—a cost-effective, one- or two-camera kit designed with specifications for your smaller machines that operate in less demanding applications.



### CAT DEALERS DEFINE WORLD-CLASS PRODUCT SUPPORT.

We offer you the right parts and service solutions, when and where you need them.

The Cat Dealer network of highly trained experts keeps your entire fleet up and running to maximize your equipment investment.

