

## CAMERAS FOR IMPROVED SAFETY IN CRANE OPERATIONS

### VID46

#### A bird's-eye view of your site

Tower cranes, whether fixed or mobile, are essential elements in the construction process. From a central position, each crane covers a large part of the site but, despite his high location, the crane operator often faces difficulties seeing his entire working area and, as the construction progresses, his visibility typically decreases.

Located directly above the hook, a camera offers a continuous and uninterrupted view of the load helping the driver to maintain safe control in any situation.



## VISIBILITY IN EVERY SITUATION

A crane operator works around 40% of his time without direct view of his load. \*



A hidden loading bay, an adjacent historical monument, basement areas and high winds are all situations where the hook camera increases confidence and security of operations for the crane driver, improves safety for personnel on the ground, reduces cycle times and increases efficiency.

### A complete solution for all applications

The kit typically comprises a video camera with powerful auto-focus 216x zoom controlled from a foot-pedal in the driver's cab. Powered from a 12V battery pack, charging options include auto-contacts or solar panel.

A choice of 7" or 12" monitor receives video transmission via an analogue transmitter/receiver working on 5.8 GHz to ensure that the image is displayed in real time in all circumstances.



### Increased safety

A hook camera ensures:

- Better visual communication between the crane operator and personnel on the ground,
- Improved load positioning on the construction site,
- Increased reactivity in case of imminent danger,
- Higher accuracy when operating in hazardous environments,
- Faster reaction in case of uncontrolled movements of the load.

### Undisputed efficiency

The productivity of crane operations is crucial to site performance. In areas where there is no direct view of the load, it has been shown that a crane operator with a hook camera is 22% more efficient for the same operation. \*

Zero-Lux night vision mode ensures a clear image even during night-shift working.

### Built-in quality

Designed for all working environments, the camera ensures good visibility with waterproof external components (IP69) resisting even high pressure cleaning. The reliability of real-time transmission is ensured in every position of the hook. Heated lenses and a temperature range from -40°C to +85°C maintain excellent visibility all year round, regardless of weather conditions.

(\* Information from Orloco research)



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