

BUILDING & CONSTRUCTION



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AGENT:

BUILDING & CONSTRUCTION



SENSE & HEARING

Danger zone

CONTAINED RF
PYRO ELECTRIC SENSOR
CAMERA

VIBRATING WRIST
BAND/WATCH ALERT

AUDIO ALERT
AND DISPLAY

VISION

CAMERA

MONITOR

SAFETY & ECONOMY



INTELLIGENCE

DATA RECORDING
ANALYSES AND CONTROL
IP CAMERA AND SYSTEMS



FALCON CAMERA
SYSTEMS SIGNIFICANTLY
CONTRIBUTES TO THE
SAFETY AND EFFICIENCY
OF CRANE OPERATIONS

WORKING SAFE, WORKING
FASTER AND MORE
EFFICIENCY

Growing concern about accidents as result of "blind spots" and bad sight conditions. Although the crane operator in his cabin is high up he is not always able to view his entire working area. Bad visibility is making the operator more dependent on the instructions given to him through a rigger. A camera system enables the crane operator to have constant eye contact with the load from the moment loading begins until it is fully unloaded. He can see on his LCD monitor in the cabin when a lifting operation becomes dangerous and enabling him to take corrective measures.

ADVANTAGES VIEWING
SYSTEM

Provides the operator with a view of the work area behind and above buildings and obstacles. Eliminate blind spots and provides visibility of the load and hook. The crane operator is less dependent on the help of others and less misunderstandings between the operator and riggers. Increased efficiency due to improved visibility and faster lifting operations. Minimizes maintenance cost, such as cable damage, through a smoother, finer and more precise operation of the crane. The operator can zoom in for a more detailed image. For safe reversing and side movements respective cameras could be mounted on the crane to prevent crane/vehicle - worker/ obstacle collision.

FALCON-IQ

Falcon provides high-end quality products, services as well as engineering works with, if required, turnkey project solutions.

Our aim is to constantly upgrade our available products and develop new innovative systems and therefore we re-invest a significant part of our turnover in Research and Development.

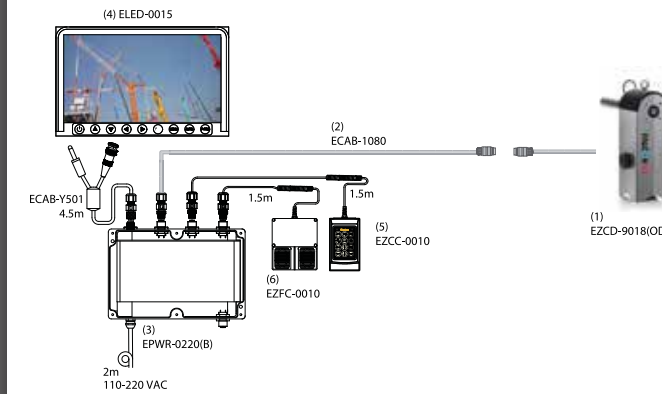
LUFFER CRANE

Camera system contains:
ELED-9501 LED monitor 7"
EZCD-9018 (OD) Oil damped Zoom camera
EZFC-0010 Foot pedal
EZCC-0010 Key pad controller
EPWR-0220 Power converter
ECAB-1075 cable connecting zoom camera 75 meter



The Technology of hoisting differs from that of saddle Jib crane. Therefore the camera system is also different as it uses an oil

damped zoom camera to maintain a straight vertical downwards view.

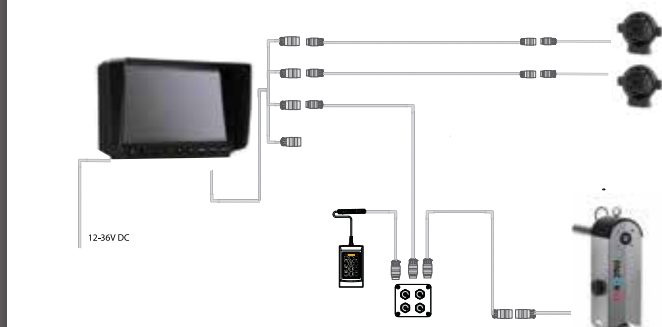


CRAWLER CRANE

Camera system contains:
ELED-9501 LED monitor 7"
EZCD-9018 (OD) Oil damped Zoom camera
EZFC-0010 Foot pedal
EZCC-0010 Key pad controller with Connecting box
EPWR-0220 Power converter with Connecting box
ECAB-1075 cable connecting zoom camera and power converter 75 meter



Possibility to add maximum 3 fixed lens camera's for back view and side view.



TOWER CRANE

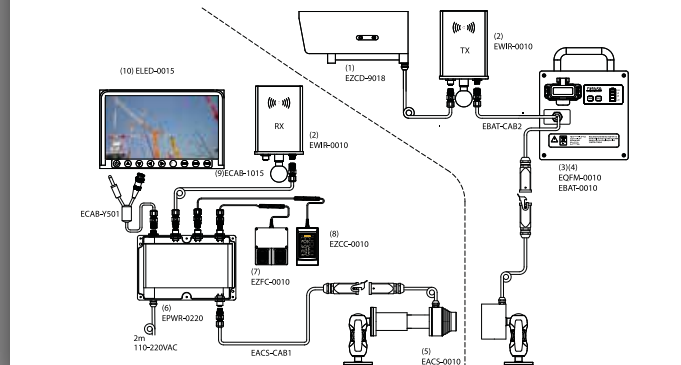
Camera system contains:
EZCD-9018 Zoom camera,
ELED-9501 LED monitor 7"
EWIR-0010 Video receiver & transmitter
EBAT-0010 Rechargeable battery pack
EQFM-0010 Battery pack Plug & Play bracket
EACS-0010 Automatic charging docking system
EZCC-0010 Key pad controller
Including all cables to connect equipment



EZFC-0010 Foot pedal
EPWR-0220 Power converter

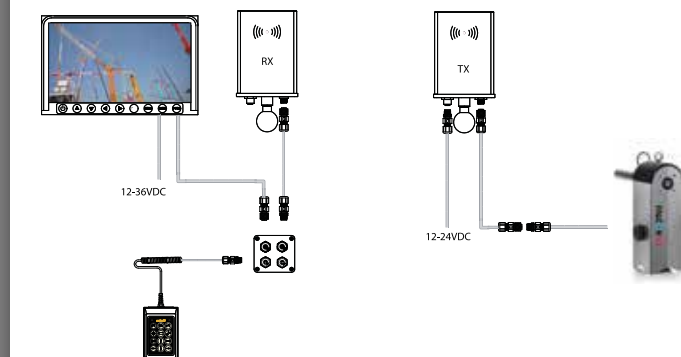
The zoom camera, mounted on the trolley, travels with the trolley along the jib and wirelessly sending images of the load, hook and the work area to a high quality and high-resolution color screen monitor in the operator's cabin. Autofocus function of the zoom camera ensures a sharp image thru a remote control

in his cabin also enables activation of night vision and brightness. The zoom camera and video transmitter are powered by a battery pack on the trolley, which is charged automatically by the docking station. To save energy the camera system is switched off when the system is not used for more than one hour.



MOBILE CRANE

Camera system contains:
ELED-9501 LED monitor 7"
EZCD-9018 (OD) Oil damped Zoom camera
EZCC-0010 Key pad controller
EPWR-0220 Power converter with Connecting box
EWIR-0010 Video receiver & transmitter
ECAB-1075 cable connecting zoom camera and power converter 75 meter



COMPACT FIXED LENS CAMERA

Stainless steel - anodized aluminum
Light sensitivity < 0,001 Lux
IP 69K
Internal protection 14 Bar overpressure dry nitrogen filled

High strength tempered glass
12 Volt DC - 24 Watt
Angles 115-102-78-54-32-17 degree
Temperature -40 to +75 degree C
Shock 30G - 50 G - 80G



ZOOM CAMERA

Zoom ratio 216 x zoom with Wide Dynamic Range
IP 69K, internal protection: 14 bar dry nitrogen filled
High strength tempered lens glass

Operating temperature -40 to +80 degrees
Functions: Auto self-heating, brightness, 0-lux mode
Stabilized 12-24V/DC, 3,6 - 7,2 Watt



LED MONITORS : 7" TO 19"

Industrial 7" LED monitor, TFT 800x 600 pixels, LED backlight
Protection IP54
Vibration test 9,8 G RMS, Mechanical

shock test 80G
Input 4 cameras quad/triple/split screen display
12-36 V/DC, 4,5 Watt



WIRELESS VIDEO MODULE

Video frequency 5,8 Ghz with 8 video channels
Maximum range 150 m

Protection IP 67 Vibration test 9,8 G RMS, Mechanical shock test 80G -30 to + 70 RH 95%



RECHARGEABLE BATTERY PACK

Up to 30 hours at 25 degree
Charging time 5 hours to 80%
12 hours to full



OIL DAMPED ZOOM CAMERA

Same as zoom camera but due equipped with an oil damping

device which keeps the camera always look downwards

"Let's date & configurate"
"Let's customize & realise"