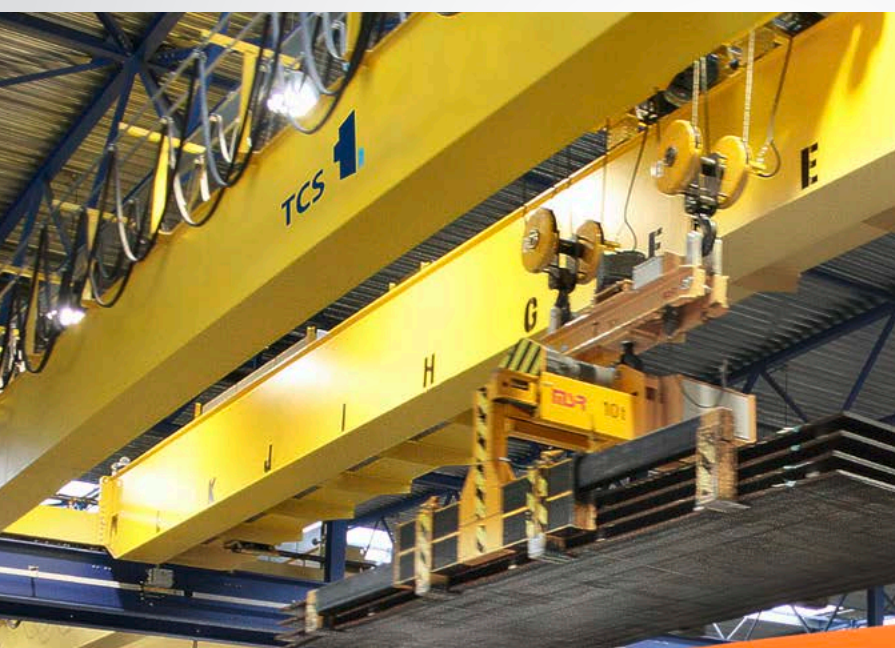




# ***radiomatic® photon***

*Safe working with camera assistance*



Available with multiple types of Orlaco cameras.



***Quality in Control.***





# radiomatic® photon

## Safe working with camera assistance

Positioning a gripper hook precisely over the load, driving a logistic vehicle through narrow passages, or applying a drill bit exactly at the desired position: our radiomatic® photon camera assistance offers valuable help for demanding operations, complicated driving maneuvers and complete machine surveillance tasks.

radiomatic® photon delivers live video images to the radio control's color display. The operator is provided with a good view of the machine and working environment, even in areas with limited views or dead spots.

radiomatic® photon is designed to interface with many Orloco cameras from the FAMOS and CCC families. Depending on the application, cameras with different viewing angles can be used, and infrared cameras for use in low light conditions or even in complete darkness.

radiomatic® photon is available as an option for technos 2, technos B and spectrum E.

### More safety.

The operator has a better overview of complex environments from obstructed angles, allowing for the early detection of dangers. This possibility of early reaction makes work considerably safer.

### More precision.

In difficult situations, for example when driving a machine through narrow passages or operating a machine in inaccessible areas, radiomatic® photon enables precise control.

### More efficiency.

For surveillance tasks and machine control, the operator can cut down walking distances as the camera is providing up to date information. This offers a considerable increase in efficiency.

# The highlights at a glance:



## High-quality images

The live images are shown on a 3.5" color display with a resolution of 320 x 240 pixels. The operator always has a good view of the application.



## Long range

The live images are transmitted via an independent transmission link. Depending on the environment, the range is typically 100 meters.



## Robust quality

The transmission unit features an exceptional degree of ruggedness. Depending on the selected camera, radiomatic® photon is a valuable help in numerous operating scenarios.



## Display switch

Via a button or a switch, the operator can easily select standard data feedback on the display and access useful machine information.

## Examples:

Compatible with different Orlaco cameras!



FAMOS  
(various apertures  
available on request)



FAMOS IR LED  
(infrared)



CCC stainless steel  
(increased protection class IP69K)



radiomatic® photon  
transmission unit

## Technical data

<b>HBC feature</b>	radiomatic® photon
<b>Radio transmission</b>	digital, interference-resistant and encrypted 1-channel transmission technology
<b>Range</b>	100 m (typical)
<b>Frequency range</b>	2400 – 2483.5 MHz
<b>Latency</b>	≤ 120 ms
<b>Operating temperature</b>	-20 °C ... +70 °C (-4 °F ... 158 °F)
<b>Dimensions transmission module</b>	137 x 121 x 65 mm (5.4 x 4.8 x 2.6 inches) without antenna and connections
<b>Protection class</b>	IP 65
<b>Antenna</b>	external with SMA plug connector
<b>Input voltage</b>	10 – 30 V DC; 100 – 240 V AC (including 10 m / 33 ft. connection cable)
<b>Camera power supply</b>	provided via the transmission module
<b>Camera interfaces</b>	support of standard Orlaco plug connectors (M16 4-pin)
<b>Compatible cameras</b>	numerous FAMOS and CCC models by Orlaco offering different apertures (further camera models on request)
<b>Camera mounting</b>	mounting brackets and shock absorbers optionally available

