



# BCS CRANECAMERA

Installation guide for BCS Cranecamera systems:

**VH-3810**



## More Information:

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**BCS**  
CRANECAMERA

## Set description:

Introducing the VH-3810 cranecamera set.

Designed for telescope cranes and similar equipment, this innovative system offers unparalleled functionality. Equipped with a unique electrical auto-tilt module, the camera maintains a vertical orientation, ensuring a clear view of the hook or grab, regardless of the boom's angle.

The tilting angle is manually adjustable from within the cabin for optimized visibility.

Operate all system functions effortlessly using the multifunctional remote control, which features a wireless transmitter/receiver for seamless communication. Benefit from features such as wind resistance, flexible mounting options, and adjustable viewing angles, guaranteeing an optimal view at all times.

The VH-3810 Cranecamera Set includes a high-quality zoom camera, transmitter/receiver, remote control with joystick, and an HD monitor. With specifications like shock and vibration resistance, and high-resolution imaging, this set is built to withstand tough working environments while delivering exceptional performance.



*10,1" HD monitor*

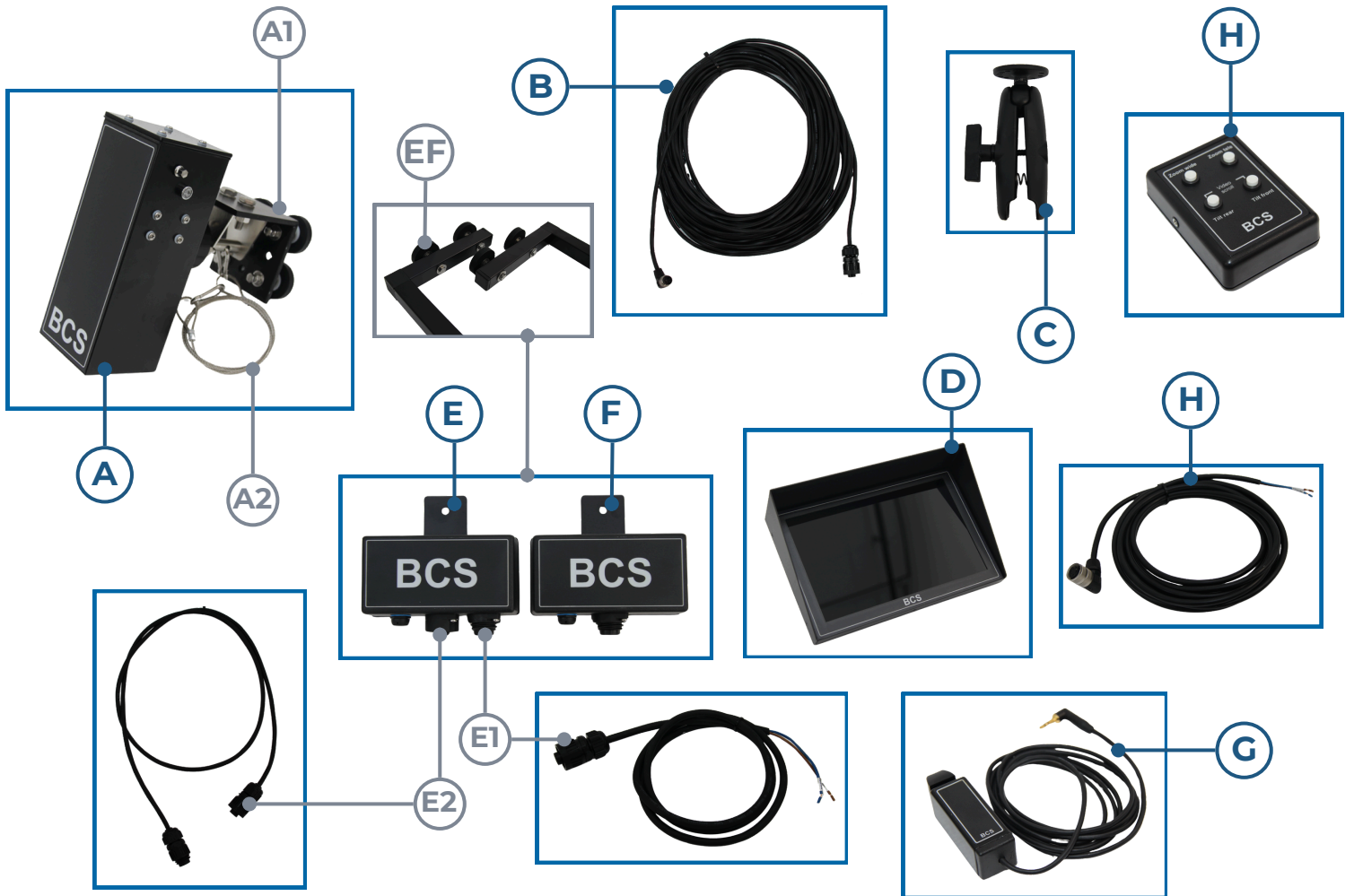


*Transceiver set*



*Tilt-camera*





**Component guide:**

- **A:** Camera with zoom & tilt function
  - **A1:** Camera bracket
  - **A2:** Safety cord
- **B:** Video-data cable (25m)
- **C:** Ram-mount for monitor
- **D:** High-res widescreen monitor type LC (10" or 13")
- **E:** Transmitter (boom head)
  - **E1:** Power cable for transmitter (open-end)
  - **E2:** Video/data cable for camera
- **F:** Receiver (base of boom)
- **EF:** L-shaped Transceiver bracket (pre-mounted on the Transceiver set)
- **G:** Joystick for zoom & tilt control
- **H:** Handheld for zoom & tilt control
- **I:** Monitor power cable (open-end, 5m)



## Component placement schematic:



**A** -Mount camera (A) with LED facing towards cabin.

**E** -Connect 12V/24V to power cable (E1).  
Switched, 12V 600mAh/24V 300 mAh.

-Connect Video/Data cable (E2) to camera. Make sure camera has enough space to turn.

-Transmitter free looking towards Receiver (F).

**F** Mount on end of main boom. BCS logo facing transmitter (E) as straight as possible.

**B** Connect cable from transmitter (F) to monitor (D).

**I** Connect 24V 1A switched power for monitor.

**H** Use for zoom/tilt or use Joystick (G) for zoom/tilt. Connect Joystick to side of Handheld (H) or backside of monitor (D).



## Side-buttons user manual for the high-res widescreen monitor:



### Button guide:

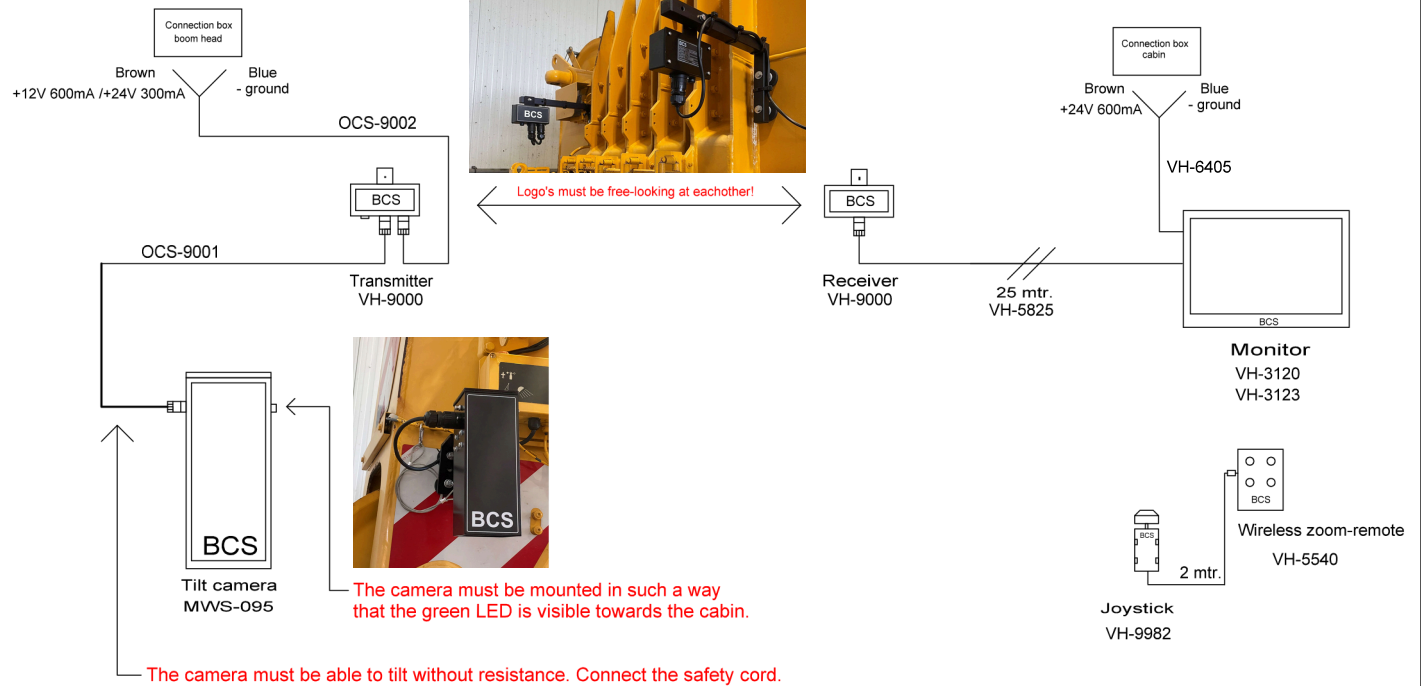
- **1:** Open the menu
- **2:** Navigate "Up"
- **3:** Navigate "Down"
- **4:** Navigate "Left"
- **5:** Navigate "Right"



Turn on the 24V only when all cables are connected to the monitor.

Make sure the 12V/24V on the transmitter and 24V on the monitor are switchable on/off via the key-switch or other switch.

Do NOT connect the monitor on 12V!



Installation diagram  
Wireless tilt-camera system  
VH-3810

BCS Cranecamera BV  
Kosmonaut 7  
3824MK Amersfoort (NL)

The camera system comes with a wireless remote control (VH-5540) and a joystick (VH-9982). In case of application of the joystick, connect the joystick cable to the input bus on the left side of the VH-5540.

In the event of a wireless failure or poor batteries in the wireless remote-control VH-5540 (3 x AAA), the joystick can be connected straight away to the monitor. In this case connect the joystick cable to the "Remote" input at the backside of the monitor.

### Set view angle:

- Push the joystick to the left to adjust the camera to the rear (Tilt rear)
- Push the joystick to the right to position the camera forwards (Tilt front)

### Set zoom:

- Press the joystick forward to zoom in (Zoom tele)
- Push the joystick back to zoom out (Zoom wide)

### Turn on the camerasystem:

- Push the joystick forward to turn the camera on (Zoom tele)

### Turn off the camerasystem:

- Push the joystick back 10 seconds to turn the camera off (Zoom wide)

### Changing the video channel:

- Press the joystick forward for 15 seconds to change the video channel (15 sec. Zoom tele)