



RELIABLE. SUCCESSFUL. INTUITIVE.

CAMERA STEERING SYSTEM ROW-GUARD

The ROW-GUARD camera steering system steers the hoe with absolute precision along the crops via a sideshift frame. This guarantees precise and close work of the hoe even at high speeds and will relieve the driver. Even with very small plants (from approx. 2 cm / 0.80") as well as in different colors or with heavy weeds, the ROW-GUARD camera steering in organic and conventional cultivation brings increased precision.

The automatic camera steering can be conveniently set from the tractor via an operating terminal. With the help of different setting parameters, adapted to the crop (row spacing, number of rows in the camera's field of view, plant width and height), an appropriate grid is laid over the image. Based on this data, the hoe is centred exactly along the row with the help of the sideshift frame. This ensures a narrow hoeing belt which guarantees maximum weed control.



| Type | Weight approx. kg / lbs (without wheels) | for frame | Hoe kg / lbs | Mounting category | | 1 single acting hydraulic valve with permanent oil-flow and pressure-free return line |
|--------------------|--|-------------------|---------------|-------------------|--------|---|
| | | | | front | back | |
| ROW-GUARD 380 | 315 / 690 | < 3.20 m / 10 ft. | ≤ 1200 / 2650 | II/28 | II/28 | 1 |
| ROW-GUARD 500 | 390 / 860 | < 6.99 m / 25 ft | ≤ 2500 / 5511 | II/28 | II/28 | 1 |
| ROW-GUARD 500 SR | 530 / 1170 | < 12.2 m / 40 ft | ≤ 3900 / 8598 | III/36 | III/36 | 1 |
| ROW-GUARD 500 SRHD | 960 / 2120 | > 12.2 m / 40 ft | > 4000 / 8818 | III/36 | III/36 | 1 |

STANDARD EQUIPMENT

- ✓ Sideshift frame including camera hardware and software with a total shift of 500 mm / 20" for models 500, 500SR, and 500SRHD, and 380 mm / 15" for model 380
- ✓ Speed and upper link information via wheel and upper link sensor, ISO sensor, or ISOBUS
- ✓ Guide shafts made of high-strength, coated material for minimal wear
- ✓ Stabilizing wheels made of rubber or steel with high gauge
- ✓ Camera mount suitable for Einböck row-crop cultivator frame
- ✓ Top and lower link pins guided on both sides and with hardened wear bushings
- ✓ Quick couplers for quick changing of the rear row-crop cultivator for model 500
- ✓ Parking support when ordering without row-crop cultivator
- ✓ Hydr. proportional valve instead of "black-and-white" valve for dynamic valve control and smooth movements of the sideshift frame
- ✓ HD camera with 2 vertically arranged, high-resolution lenses with different exposure settings and thus greater operational reliability, camera connection cable, length 4 m
- ✓ Camera control with standalone touchscreen terminal with integrated video image and universal mount, or via an external ISOBUS terminal
- ✓ Software - Claas-CultiCam "Professional Version":
 - » Detection of different row structures (single and multiple rows)
 - » Up to 5 rows and 1.5 m
 - » Automatic height and angle detection of the camera: convenient adjustment of the camera height. The actual height and angle of the camera are shown on the display. Integrated table for recommended camera height!
 - » Color options in 2D mode: green/yellow, green/blue, red
 - » 3D mode: rows are also detected based on the difference in height. If the difference in height between the crop and weeds is 10+ cm. Particularly advantageous in cases of full-surface weed infestation
 - » Automatic offset switching
 - » Saving of settings
 - » And much more

OPTIONS

- » LED headlights for working at night
- » Mechanical feeler
- » Second camera for working with SECTION-CONTROL
- » Automatically swiveling camera holder
- » Monitoring camera with special lens
- » Joystick for manual control of the sideshift frame
- » Second pair of stabilizing wheels for twin tires
- » Steering & drift correction SMART-HILL (automatic slope compensation)