

# CULTI CAM

CLAAS E-Systems GmbH  
Sommerkämpen 11  
49201 Dissen a.T.W.  
Germany  
Tel. +49 (0) 5241 3006 0  
[www.claas-e-systems.com](http://www.claas-e-systems.com)

**CLAAS**



# CLAAS E-Systems: Camera systems for plant cultivation.



## More than 30 years' experience in precision agriculture.

Innovative and down-to-earth. Open and true to our roots in the Ostwestfalen-Lippe region. This is CLAAS E-systems. For more than 30 years, our work has had a single focus: Developing and integrating software and systems. Large companies, contractors and sole traders in the agricultural sector and similar fields have come to rely on our solutions. We are an original equipment manufacturer for machinery manufacturers and partners in development cooperations. Our work also focuses on project-related cooperation in the agricultural business.

We operate in a dynamic sector. Technology is advancing at an increasing rate and, with this development, demand for future-proof systems is growing. We are ready for tomorrow. And we will achieve great success, as the many awards we have received for our pioneering innovation in the agricultural sector demonstrate.

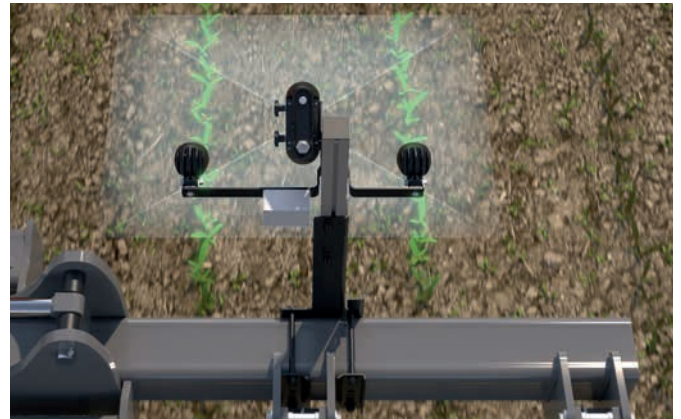
# CULTI CAM. Automatic control.

Protect your plants and guarantee quality.

Driving in emerged crops requires precision in order to ensure that plants are not damaged and to achieve optimum crop care results. To make this aim a reality, CLAAS E-Systems has designed the CULTI CAM specifically for automatically controlling cultivators in row crops. Thanks to a highly specialised camera, the system detects plant rows almost perfectly. Any deviations or inaccuracies are automatically compensated for the cultivator. This means that it is always optimally aligned with the plant, down to the nearest few centimetres.

Additional advantages include:

- Efficient weed control because the cultivator moves close to the plants, perfect for organic and conventional cultivation, especially for herbicide-resistant crops
- Driving speed can be increased to enable up to 25 % higher area coverage
- Automatic driving error compensation occurs directly on the cultivator, even for inexperienced drivers
- Less fatigue for the driver
- The cultivator works closer to the plants than when manually controlled
- Minimises damage to the fruit crop



# CULTI CAM. Modular design.

Main components.

The CULTI CAM system is made up of a range of main components.



CLAAS CULTI CAM MK4HD.



CLAAS UBM control module.

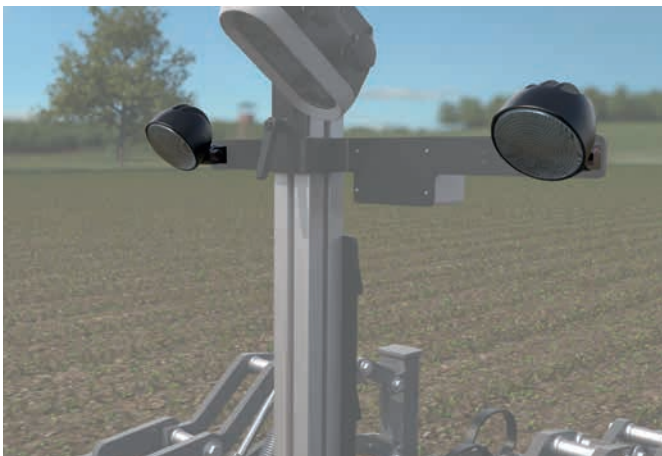


CLAAS COMMUNICATOR III.



CLAAS hydraulic valve.

Additional optional accessories are available for all applications.



CLAAS LED option.

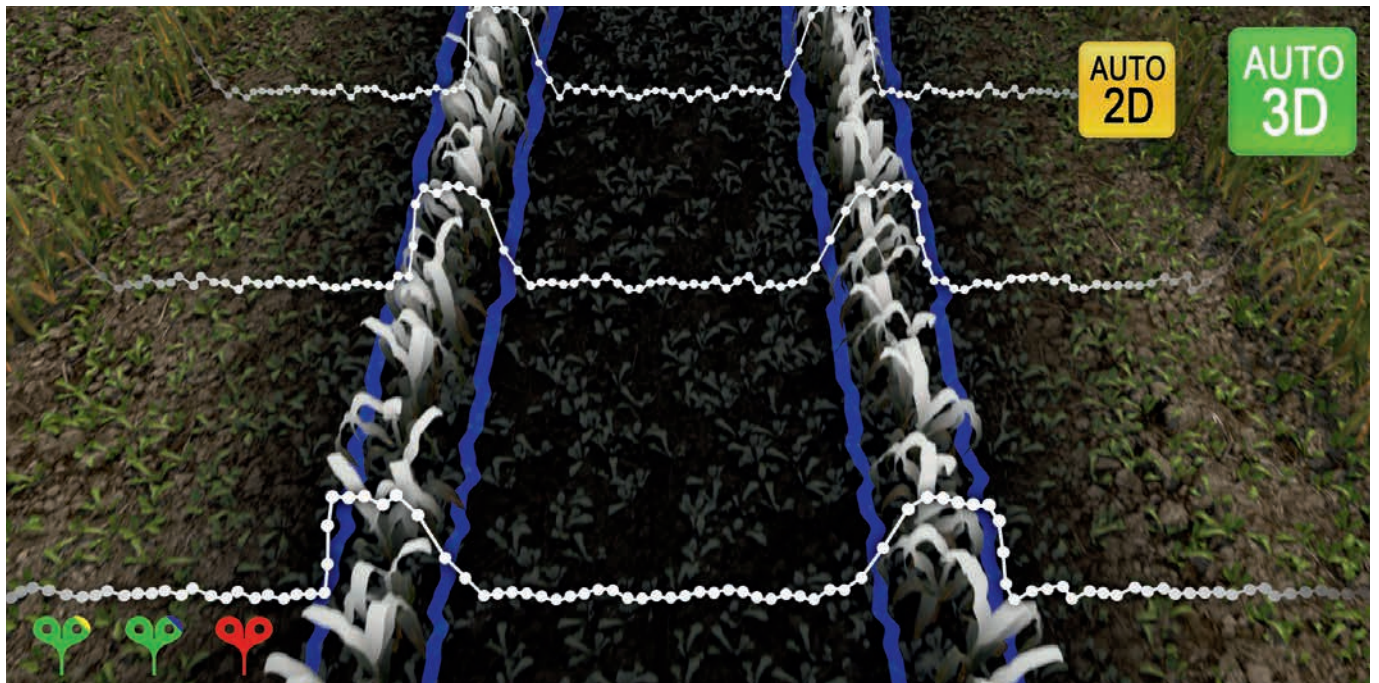
# CULTI CAM.

## Perfect alignment in crop rows.

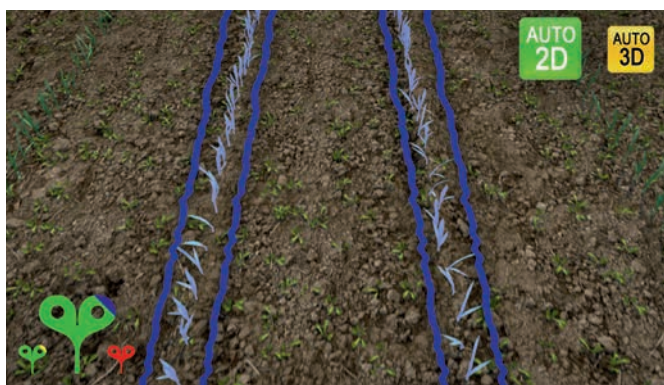
Row detection.

CULTI CAM now offers even more adjustment options. As well as 2D colour segmentation – green/blue, green/yellow and red – the control system can offer 3D object detection thanks to the

stereo camera. Completely weedy areas are therefore no longer an obstacle.



3D object detection.



2D green/blue colour segmentation.



2D green/yellow colour segmentation.



2D red colour segmentation.

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