

# DL-GV1 CAM

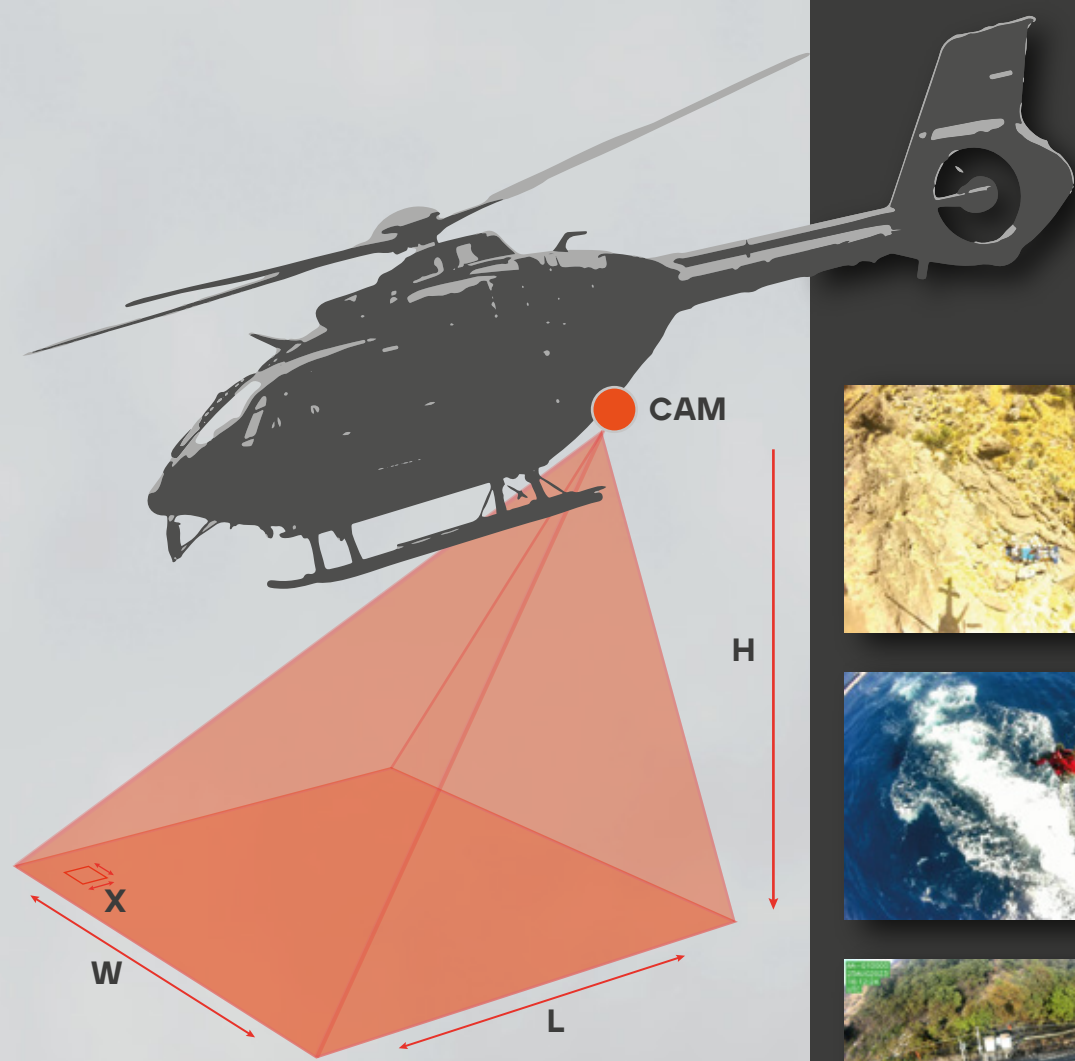
The DL-GV1 Camera System is a Plug-and-Play High Performing Vision Machine developed to support the Pilot during aerial works.

DL-GV1 payload integrates the last generation PCIe industrial camera and GPU processor to get Zero-Latency High Quality 4K Images, ensuring a clear vision of spots under the helicopter the rear mirror struggles to reach.

The Touchpad-based controller allows the pilot to easily regulate the camera Digital Zoom. Payload data is forwarded to a GARMIN MFD enabled for video input or to a dedicated cabin display.

Designed with MIL-STD components and Aluminium enclosure, the DL-GV1 payload can operate in harsh environments. Provided with pre-assembled cable bundle and mounting bars, the DL-GV1 payload makes the installation and removal straightforward.

The Payload is installed under EASA approval and can be adapted to any helicopter type.



## RGB Sensor

- Sensor IMX253
- Resolution 12.4 Mpx (4112 x 3008)
- Frame Rate 64.6 Hz
- CMOS Global Shutter
- Interface PCIe 4Gen
- Compliance CE / UKCA / WEEE

## Lens

- Focal Length 16mm
- Angle Of View (HxV) 48° x 36.7°
- Max sensor size 1.1"
- Max Image Res. 24 Mpx
- Dimension (Dia) 43mm x 65.7mm
- Material Aluminium

## Physical

- Op. Temperature -40°C to 85°C
- Cover Material (Al) 6061 or 7075

## Power Specs

- Input voltage 28V DC
- Input voltage range 9V to 28V
- Power consumption 30W (60W peak)

## Interface

- Power connector 10 pin MIL Connector
- Signal connector 37 pin MIL Connector
  - Video HDMI 2.0
  - Touchpad USB
  - Networking Ethernet RJ45
  - General GPIO General use

## Touchscreen Display

- Dimension 8", 16:9 format
- Weight 0.85 Kg
- Viewing Angle (deg) 170 (H) x 170 (V)
- Brightness 1000 cd/m2

## Field of View @ H: 5 m

- W 4.45 m
- L 3.31 m
- X 1.0 x 1.1 mm

## Field of View @ H: 30 m

- W 26.7 m
- L 19.9 m
- X 6.4 x 6.6 mm