



# WORKSWELL GIS - 320 DRONE GAS IMAGING SYSTEM

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## Datasheet

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### Company contact details

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# Workswell GIS-320 technical specification

| Infrared Cooled Camera        |  |
|-------------------------------|--|
| Resolution                    | 320 x 240 pixels   |
| Temperature ranges            | Optional temperature ranges (integration time) -20°C...+350°C  |
| Temperature sensitivity       | 0.015 °C (15 mK)   |
| Frequency                     | 30Hz   |
| Spectral range                | 3.2 – 3.4 μm, Cooled InSb FPA detector   |
| Lenses                        | 24° x 18° or 14,5° x 10.8  |
| Focus                         | Automatic/manual focusable, motor control  |
| Zoom                          | 1 – 8x digital   |
| Digital Visible Camera        |  |
| Resolution                    | 1280 x 960 pixels  |
| Focus and zoom                | Autofocus, 14x digital   |
| Remote control & Video output |  |
| Digital interfaces            | CANbus, PWM, S.BUS, USB 3.0 (data transfer, FW update and control)   |
| Video output                  | Digital mini HDMI 720p (1280 x 720px)  |
| Memory and data recording     |  |
| Image recording               | Radiometric JPEG, Non-Radiometric, Digital camera JPEG   |
| Video recording (IR, Vis)     | Radiometric full-frame IR recording, 30Hz, RGB Visible video recording   |
| GPS tagging                   | Yes, MavLink or GPS serial communication   |
| Memory                        | Internal SSD disk, 64GB  |
| Measurement functions         |  |
| Measurement functions         | Max temperature, Min temperature   |
| Following gases are detected  |  |
| Gases                         | Benzene, Ethanol, Ethylbenzene, Heptane, Hexane, Isoprene, Methanol, MEK, MIBK, Octane, Pentane, 1-Pentene, Toluene, m-xylene, Butane, Methane, Propane, Ethylene and Propylene. |
| Power supply & dimensions     |  |
| Input supply voltage          | 12 – 19 VDC  |
| Dimensions and weight         | 257 x 117 x 126 mm, <1.7kg   |

