

GLE/RMVC-300H

High Definition - Rugged Miniature Video Camera

Main Features

- 2.1 Megapixels (1,920 x 1,080 resolution @ 60 fps)
- 1/3" Progressive Scan CMOS, active-pixel, sensor array
- Output - selectable: HD-SDI or 3G-SDI
- Low latency image processing DSP based
- Lens - standard or rugged C-mount
- Setup and control via RS232 or RS485
- Setup software GUI for all camera functions
- Miniature / Hi-G construction to meet MIL STD specs
- Anti-reflective black anodized enclosure
- Protection grade - IP66
- Wide operating temperature range
- Extended DC voltage supply range

Applications

- Flight / Vehicle Testing
- Stores / Payloads separation
- Icing and De-icing of Aircraft / Vehicle parts
- Head-Up / Cockpit Display
- Aircraft /Vehicle Monitoring
- Video surveillance in Harsh Environments

Overview

GLE/RMVC-300H is a miniature and rugged, high-definition (HD) color video camera, designed for on board and in harsh environments testing and instrumentation applications.

It is based on a well-proven high quality 1/3" Progressive Scan CMOS Sensor, housed in a solid and EMI shielded, precisely machined aluminum enclosure.

A low latency powerful DSP dynamically adjusts the settings for a perfect color balance while providing great image accuracy by removing saturation artifacts.

A wide family of, standard or

rugged, C mount lenses allows the right matching to any field of view. Thanks to the provided software-GUI, via a standard RS 232 serial interface, it is easy to setup all the functions, as resolution and frame rate, shutter speed, white balance, backlight compensation, wide dynamic range, gain level, noise reduction; and flip, mirror, or rotate the image.

It provides a, selectable HD-SDI or 3G-SDI video output on a robust coaxial connector.

GLE/RMVC-300H has been designed having in mind MIL-STD specs; the result is a very small, lightweight



and at the same time an exceptionally robust unit that can be easy and safely used in the most demanding applications; installed, directly or with the available optional flanges, in any test condition and even where space is at a premium.

Its design ensures safe operation, great performances and a high image quality, under extreme environment and in high-vibration conditions, in dust and wet situations, in an extended temperature range and with a wide input DC voltage supply range.

Due to continuous developments, specifications are subject to change without prior notice. This product is not intended for applications whose its failure to perform can be expected to cause damages to properties and/or persons and/or injury to human life.

GreenLake Engineering Srl
 the engineering branch of Instrumentation Devices
 Via Acquanera, 29 - 22100 COMO - Italy
 +39.031.521.076 - info@greenlake-eng.com



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