Allied Vision

GigE VISION®

// CMOS Cameras Manta G-895 and Manta G-1236

High Quality Imaging with Trigger over Ethernet

Model	Sensor	Sensor type	Sensor size	Cell size	Resolution	Frame rate	Lens mount
Manta G-895	Sony IMX267	CMOS global shutter	Type 1	3.45 µm x 3.45 µm	8.95 MP 4112 (H) × 2176 (V)	13.4 fps	C-Mount
Manta G-1236	Sony IMX304	CMOS global shutter	Type 1.1	3.45 µm x 3.45 µm	12.3 MP 4112 (H) × 3008 (V)	9.7 fps	C-Mount

The new Manta models provide great options for high-quality imaging. The camera's new and popular global shutter sensors with Sony PregiusTM pixel technology outperform traditional global shutter CMOS sensors by having a high saturation capacity and very low noise resulting in an exceptional dynamic range.

Due to their superior performance, these CMOS cameras are the best candidates to replace existing CCD cameras with similar resolution and optical formats.

Single cable solution with Trigger over Ethernet

The new Manta G-895 and Manta G-1236 are offering the Trigger over Ethernet (ToE) Action Commands feature. ToE enables you to externally trigger GigE cameras in a network through the Ethernet cable. This means that Manta cameras can now be triggered via its Power over Ethernet connection and enable users to realize single cable solutions with data, power, and trigger capabilities. Furthermore, all Action Commands related configurations can be saved in the camera's user sets.

The Manta is Allied Vision's most versatile GigE Vision camera with a wide range of features. Particular highlights are on-board image processing features such as look-up tables and sophisticated color correction capabilities. In addition, numerous modular concept options – including angled heads and board level versions – facilitate the integration in almost any application.

Benefits and features

// Power over Ethernet (PoE) optional
// Opto-isolated I/Os, RS232
// Numerous mount and filter options
// Housing options: board level, angled heads
// Look-up tables, gamma, color correction
// Binning, decimation
// IEEE 1588 Precision Time Protocol (PTP)
// Trigger over Ethernet (ToE)

At Allied Vision, you get more than just a great camera. We help you find the best imaging solution for your application. Our selected accessories such as optics and cables, ensure optimal performance. Our powerful Software Development Kit (SDK) Vimba makes the camera integration easy whatever platform you use. And our technical support experts are at your side during system integration and for the whole lifetime of your cameras.

Contact us! We will be pleased to advise you.

// Save time and costs through easy integration into various machine vision applications
// Benefit from the latest available high-performance CMOS sensors
// Rely on high performance and stability
// Enjoy the benefits of our platform-independent Vimba SDK and full compatibility
   with all popular image processing libraries

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