



Features

- Best price/performance ratio CCD and CMOS sensor options
- Resolution up to 15 MP
- 100 m cable length
- Ultra-small form factor
- Built in 56 MB frame buffer
- Power over Ethernet

Introduction

The Advantech Quartz industrial camera series have between 0.3-15 mega pixel CCD/CMOS and include ultra-fast speeds and a high level of technology in a very small form factor. With the Quartz series, you can choose to use many of the most popular data interfaces in the machine vision market. The popular Gigabit Ethernet interface comes with a 100 meter cable length, and PoE (Power over Ethernet) to provide camera power and data via a single cable, and also offer separate input/output ports for triggering or flash control.

Specifications

▪ Resolution	4608 x 3288, 3856 x 2764, 3072 x 2048, 2592 x 2048, 2592 x 1944, 1920 x 1200, 1600 x 1200, 1280 x 1024, 1296 x 966, 1280 x 1024, 640 x 480
▪ Frame Rate	7 fps, 10 fps, 14 fps, 18 fps, 30 fps, 42 fps, 60 fps, 75 fps, 120 fps
▪ Pixel Size (μm)	1.4 μm x 1.4 μm, 1.67 μm x 1.67 μm, 2.2 μm x 2.2 μm, 2.4 μm x 2.4 μm, 3.75 μm x 3.75 μm, 4.5 μm x 4.5 μm, 4.8 μm x 4.8 μm, 5.3 μm x 5.3 μm, 5.6 μm x 5.6 μm, 5.86 μm x 5.86 μm
▪ Sensor Size	1", 1/1.2", 1/1.8", 1/2", 1/2.3", 1/2.5", 1/3", 1/4"
▪ Color format	Color/Mono
▪ Shutter mode	Global/Rolling
▪ Exposure Output	1 opto-isolated output line, can act as digital output
▪ Synchronization	1 External trigger, software trigger or free run
▪ Power Requirements	PoE or 12V _{DC}
▪ Power Consumption(PoE)	2.5W, 3.8W
▪ Interface	Gigabit Ethernet (Power over Ethernet)
▪ Dimensions	42 x 29 x 29 mm
▪ Weight	90g
▪ Operating Temperature	0 ~ 50°C

Ordering Information

Monochrome

▪ QCAM-GM3800-007DE	3856 x 2764	7 fps
▪ QCAM-GM3800-010CE	3856 x 2764	10 fps
▪ QCAM-GM3000-018DE	3072 x 2048	18 fps
▪ QCAM-GM2500-020DE	2592 x 2048	20 fps
▪ QCAM-GM2500-014DE	2592 x 1944	14 fps
▪ QCAM-GM1920-040CE	1920 x 1200	42 fps
▪ QCAM-GM1600-060DE	1600 x 1200	60 fps
▪ QCAM-GM1300-060DE	1280 x 1024	60 fps
▪ QCAM-GM1300-030CE	1296 x 966	30 fps
▪ QCAM-GM1280-075DE	1280 x 1024	75 fps
▪ QCAM-GM0640-120DE	640 x 480	120 fps

Color

▪ QCAM-GC4600-007CE	4608 x 3288	7 fps
▪ QCAM-GC3000-018DE	3072 x 2048	18 fps
▪ QCAM-GC2500-014CE	2592 x 1944	14 fps
▪ QCAM-GC1300-060CE	1280 x 1024	60 fps
▪ QCAM-GC0640-120CE	640 x 480	120 fps