

Quartz

0.3-15 Mega Pixel PoE Industrial Camera



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 in a very small form factor. With the Quartz series, you can choose 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, 1.67µm x 1.67µm, 2.2 µm x 2.2 µm, 2.4µm x 2.4µm, 3.75 µm x 3.75 µm, 4.5 µm x 4.5 µm, 4.8µm x 4.8µm, 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