

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