

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 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, 1.67µm 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