Quartz

0.3-10.0 Mega Pixel PoE Industrial Camera

Preliminary

Features

- Best price/performance ratio CCD and CMOS sensor options
- Resolution up to 10.0 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 0.3-10.0 mega pixel CCDs 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	640 x 480, 1280 x 1024, 1600 x 1200, 2592 × 1944, 3856 × 2764
Frame Rate	120fps, 60fps, 60fps, 14fps, 10fps
Pixel Size (μm)	5.6 x 5.6, 5.3 x 5.3, 4.5 x 4.5, 2.2 x 2.2, 1.67 × 1.67
Sensor Size	1/4", 1/1.8", 1/1.8", 1/2.5",1/2.3"
Color format	Mono
Image Buffer	56 MB
Interface	Gigabit Ethernet(Power over Ethernet)
Trigger Input	1 opto-isolated input line, can act as digital input
Exposure Output	1 opto-isolated output line, can act as digital output
Synchronization	External trigger, software trigger or free run
Dimensions	42 mm × 29 mm × 29 mm
Operating Temperature	0-50°C
O.S Support	Windows 32/64 bit
Power Requirements	Power over Ethernet (IEEE 802.3af), or +12V$_{DC}$ (±10%)
Weight	90 g

Ordering Information

- **QCAM-GM0640—120CE** 640x480 Mono
- **QCAM-GM1300—060CE** 1280x1024 Mono
- **QCAM-GM1600—060CE** 1600x1200 Mono
- **QCAM-GM2500—014CE** 2592x1944 Mono
- **QCAM-GM3800—010CE** 3856x2764 Mono

Last updated : 27-Jul-2016