VC-71MC-M/C 4

71 MEGAPIXELS

ULTRA HIGH RESOLUTION CMOS DIGITAL CAMERA



The VC–71MC, the latest member of the industrial proven VC series, is a new 71 megapixel resolution CMOS camera with Camera Link interface. The VC–71MC uses the latest 71 megapixel CMOS imaging sensor (CHR 70M) technology from CMOSIS, and offers a frame rate of 4 fps at full resolution. Equipped with the Vieworks' innovative technologies proved by world's top FPD manufacturers, the VC–71MC camera offers not only highly uniformed images but also high speed image processing capabilities. Featured with high quality image uniformity and high resolution, this camera is ideal for demanding applications such as FPD, PCB, and semiconductor inspections.

VIEWOLKS

Main Features

- * 71 Megapixel Resolution
- * Ultra High Resolution CMOS Imaging Sensor
- * Camera Link Medium Interface up to 4.2 fps
- * Rolling Shutter
- * Flat Field Correction
- * Pixel Defect Correction
- * Non-uniformity Correction (DSNU and PRNU)
- * Field Upgradable Firmware

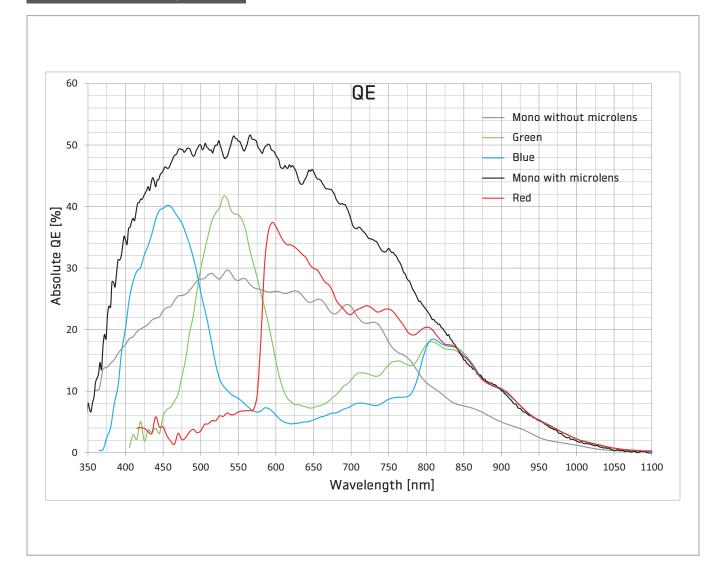
Specifications

Applications

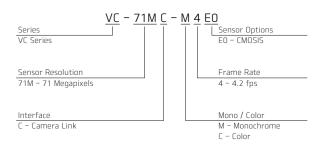
- * FPD, Electronics and Semiconductor Inspection
- * Research and Scientific Imaging
- * Document / Film Scanning

Resolution (H × V)10000 × 7096Sensor Size (Optical Format)31.00 m × 22.00 m (35 m)Sensor Size (Optical Format)31.00 m × 22.00 m (35 m)Sensor TypeHigh Resolution CMOS Imaging SensorPixel Size3.1 μ m × 3.1 μ mInterface2 Tap4 Tap - NormalCamera Link BaseInterface4 Tap - Normal4 Tap - HighCamera Link MediumMax. Frame Rate3.0 fps (CL Medium)Max. Frame Rate3.0 fps (CL Medium)Vertice Size Size Size Size Size Size Size Siz	Model			VC-71MC-M/C 4
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Pixel Size 3.1 µm × 3.1 µm 2 Tap Camera Link Base Interface 4 Tap - Normal 4 Tap - High Camera Link Medium A Tap - High Camera Link Medium Max. Frame Rate 3.0 fps (CL Base) Max. Frame Rate 3.0 fps (CL Medium) Max. Frame Rate 8 / 10 / 12 bit Electronic Shutter Rolling Shutter Data Output	Sensor Size (Optical Format)			31.00 mm $ imes$ 22.00 mm (35 mm)
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Dimension / Weight68 mm × 68 mm × 103 mm, 420 g (F-mount)TemperatureOperating: 0°C ~ 40°C, Storage: -40°C ~ 70°CLens MountF-mount, Custom mount available upon requestPower10 ~ 38 V DC, MAX. 8 W	Trigger Mode			55
TemperatureOperating: 0°C ~ 40°C, Storage: -40°C ~ 70°CLens MountF-mount, Custom mount available upon requestPower10 ~ 38 V DC, MAX. 8 W	Dynamic Range			63 dB
Lens MountF-mount, Custom mount available upon requestPower10 ~ 38 V DC, MAX. 8 W	Dimension / Weight			68 mm $ imes$ 68 mm $ imes$ 103 mm, 420 g (F-mount)
Power 10 ~ 38 V DC, MAX. 8 W	Temperature			Operating: 0℃ ~ 40℃, Storage: -40℃ ~ 70℃
	Lens Mount			F-mount, Custom mount available upon request
Compliance CE, FCC, KC (in preparation)	Power			10 ~ 38 V DC, MAX. 8 W
	Compliance			CE, FCC, KC (in preparation)
Configuration Software Configurator	Configu	iration Se	oftware	Configurator

Quantum Efficiency Curves



Ordering Scheme



Connector Specification

Power



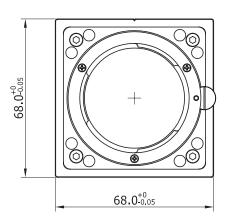
1 2 3: +12V DC, 4 5 6: GND (HR10A-7R-6PB)

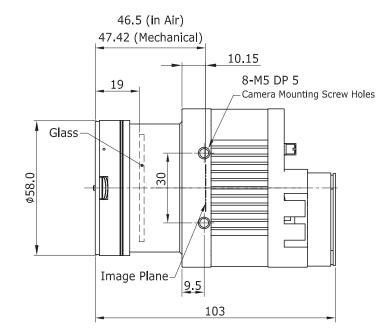
1: Trigger IN+, 2: Trigger IN– 3: DC Ground, 4: Strobe OUT+ (HR10A-7R-4S)

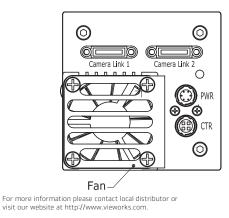
Connectors on camera body

Mechanical Dimensions

Unit: mm







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VW40-15B-001



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