

Digital CCD camera C8484-05C



The C8484-05C is a high-resolution digital camera using a progressive scan interline CCD with no mechanical shutter. In addition to a high resolution of 1.37 million pixels, a wide dynamic range of 12 bit digital output and high sensitivity in the VIS-NIR region offers a wide application range down to low light level imaging.

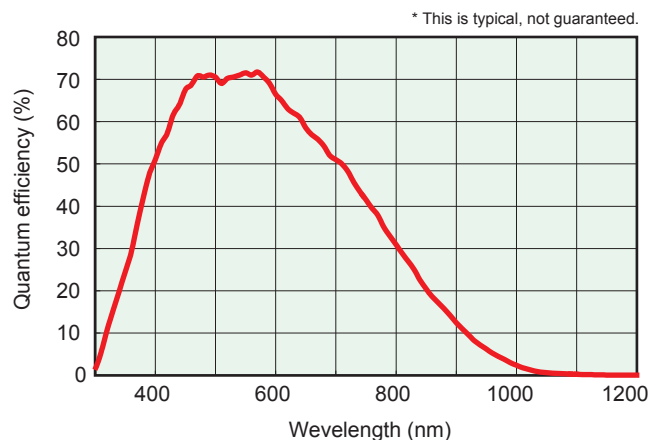
FEATURES

- High resolution of 1.37 million pixels
- High sensitivity in VIS-NIR region
- Progressive scan interline CCD with no mechanical shutter
- Anti-blooming function
- Wide dynamic range
- Small readout noise of 10 electrons
- High frame rate of 68 frames/s (8×8 binning)

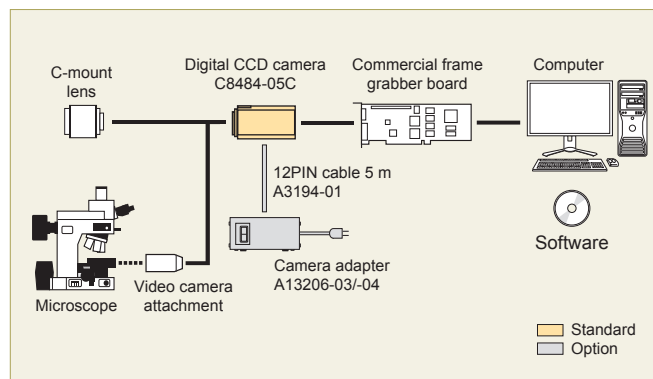
APPLICATIONS

- Machine vision
- Metallurgical microscopy
- Semiconductor inspection
- X-ray scintillator readout

SPECTRAL RESPONSE



SYSTEM CONFIGURATION



SYSTEM SPECIFICATIONS

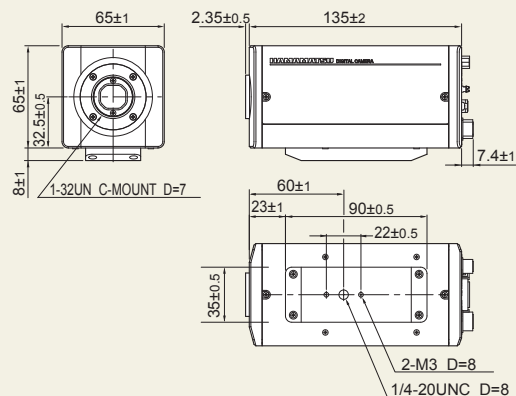
Type number	C8484-05C	
Imaging device	Progressive scan interline CCD with micro-lens	
Effective number of pixels	1344 (H) × 1024 (V)	
Cell size	6.45 μm (H) × 6.45 μm (V)	
Effective area	8.67 mm (H) × 6.60 mm (V)	
Pixel clock rate	20 MHz/pixel	
Frame rate	1 × 1	12.2 frames/s
	binning	2 × 2
		4 × 4
		8 × 8
Readout noise (rms) (typ.)	10 electrons	
Full well capacity (typ.)	17 000 electrons	
Dynamic range	1700 : 1	
A/D converter	12 bit	
Exposure time	4.5 ms to 1 s	
Sub-array	Yes	
Analog gain	1×, 5×	
External trigger	Edge trigger, Level trigger	
Lens mount	C-mount	
Digital output	Camera Link	
External control	Camera Link	
Power requirements	DC+12 V	
Power consumption	Approx. 8 VA	
Ambient storage temperature	-10 °C to + 50 °C	
Ambient operating temperature	0 °C to + 40 °C	
Ambient operating humidity	70 % max. (with no condensation)	

OPTIONS

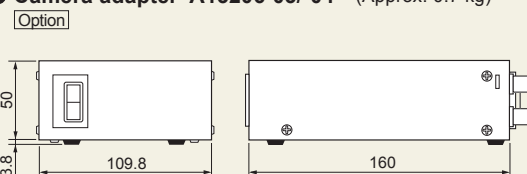
- Camera adapter : A13206-03/-04
- 12PIN cable 5 m : A3194-01

DIMENSIONAL OUTLINES (Unit : mm)

● Camera (Approx. 0.64 kg)



● Camera adapter A13206-03/-04 (Approx. 0.7 kg)



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Specifications and external appearance are subject to change without notice.

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HAMAMATSU PHOTONICS K.K. www.hamamatsu.com

HAMAMATSU PHOTONICS K.K., Systems Division

812 Joko-cho, Higashi-ku, Hamamatsu City, 431-3196, Japan, Telephone: (81)53-431-0124, Fax: (81)53-435-1574, E-mail: export@sys.hpk.co.jp

U.S.A.: Hamamatsu Corporation: 360 Foothill Road, Bridgewater, N.J 08807, U.S.A., Telephone: (1)908-231-0960, Fax: (1)908-231-1218 E-mail: usa@hamamatsu.com

Germany: Hamamatsu Photonics Deutschland GmbH: Arzbergerstr. 10, D-82211 Herrsching am Ammersee, Germany, Telephone: (49)8152-375-0, Fax: (49)8152-265-8 E-mail: info@hamamatsu.de

France: Hamamatsu Photonics France S.A.R.L.: 19, Rue du Saule Trapu, Parc du Moulin de Massy, 91882 Massy Cedex, France, Telephone: (33)1 69 53 71 00, Fax: (33)1 69 53 71 10 E-mail: infos@hamamatsu.fr

United Kingdom: Hamamatsu Photonics UK Limited: 2 Howard Court, 10 Tewin Road, Welwyn Garden City, Hertfordshire AL7 1BW, UK, Telephone: (44)1707-294888, Fax: (44)1707-325777 E-mail: info@hamamatsu.co.uk

North Europe: Hamamatsu Photonics Norden AB: Torshamnsgatan 35 16440 Kista, Sweden, Telephone: (46)8-509-031-00, Fax: (46)8-509-031-01 E-mail: info@hamamatsu.se

Italy: Hamamatsu Photonics Italia S.r.l.: Strada della Moia, 1 int. 6 20020 Arese (Milano), Italy, Telephone: (39)02-93581733, Fax: (39)02-93581741 E-mail: info@hamamatsu.it

China: Hamamatsu Photonics (China) Co., Ltd.: B1201 Jiajing Center, No.27 Dongsanhuan Beilu, Chaoyang District, Beijing 100020, China, Telephone: (86)10-6586-6006, Fax: (86)10-6586-2866 E-mail: hpc@hamamatsu.com.cn

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