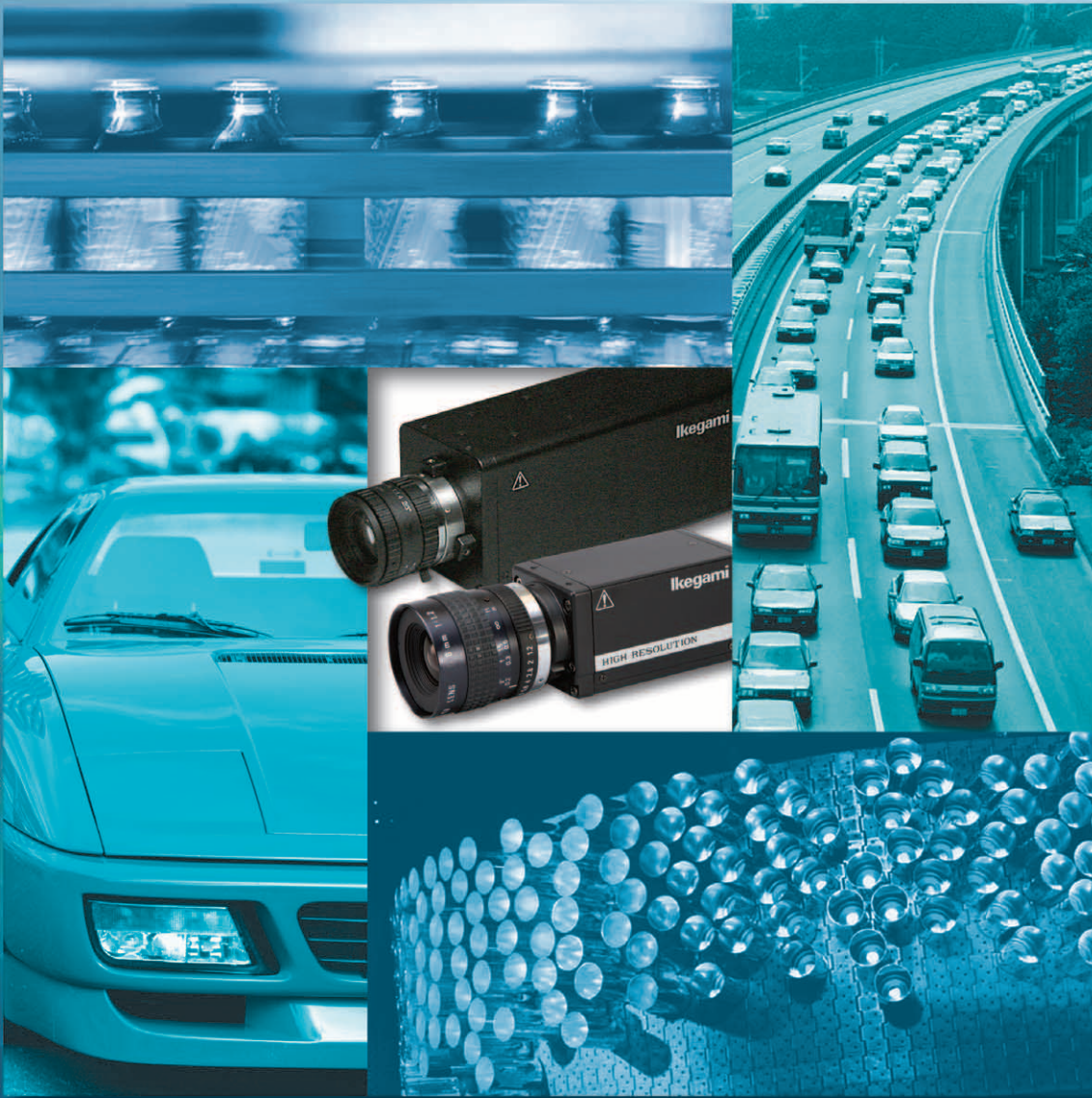


Ikegami

Progressive Camera
SKC series





SKC-141

SKC-141 is a high-resolution black & white full frame shutter camera with a 2/3-inch 1.45 million pixel forward matrix Interline Transfer CCD of 1,392×1,040, achieving 15Hz frames rate. The camera has high sensitivity on near Infra Red and it can suit to the Automatic Number Plate Recognition (ANPR) application, reducing the effect of visible light.

- Smear less function to reduce smear at one side of CCD coming from the strong intensity
- Random shutter function to control the shutter start timing with external signals and acquire images at any optional timing
- Auto iris lens available, outputting images even in the period when no trigger inputs, at the random shutter mode
- C-mount with the back focal length adjustment structure
- Remotely controlled by RS-232C communication
- Auto switching between internal and external synchronization
- Durable design

SKC-151

SKC-151 is a high-resolution black & white full frame shutter camera with a 1/1.8-inch 2.01million pixel forward matrix Interline Transfer CCD of 1,628×1,236, achieving 12Hz with the high resolution. The high resolution camera can suit to the inspection system in the factory automation and semiconductor fields.

- Smear less function to reduce smear at one side of CCD coming from the strong intensity
- Random shutter function to control the shutter start timing with external signals and acquire images at any optional timing
- C-mount with the back focal length adjustment structure
- Remotely controlled by RS-232C communication
- Auto switching between internal and external synchronization
- Durable design

SKC-161UV

SKC-161 is a high-resolution black & white full frame shutter camera with a 1/2-inch 1.45 million pixel forward matrix Interline Transfer CCD of 1,392×1,040. The camera has high sensitivity on UV range and it can suit to the inspection fields to detect tiny scratches and dusts which can not be observed by visible lights.

- Smear-less function to reduce smear at one side of CCD coming from the strong intensity
- Random shutter function to control the shutter start timing with external signals and acquire images at any optional timing
- C-mount with the back focal length adjustment structure
- Remotely controlled by RS-232C communication
- Auto switching between internal and external synchronization
- Durable design

SKC-171

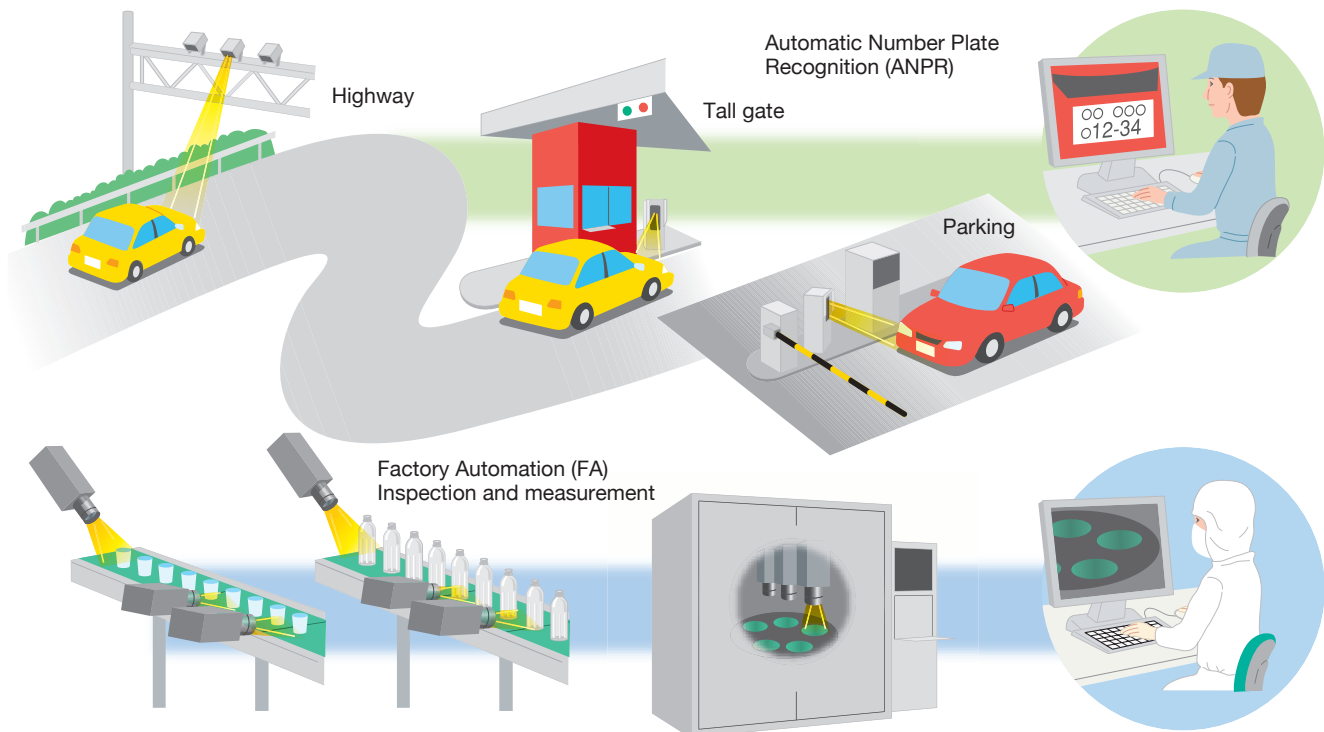
SKC-171 is a high-resolution black & white full frame shutter camera with a 2/3-inch 1.45 million pixel forward matrix Interline Transfer CCD of 1,392×1,040, achieving 30Hz frames rate with the Mini Camera Link interface. It suits to inspection field which requires high speed processing.

- Smear less function to reduce smear at one side of CCD coming from the strong intensity
- Random shutter function to control the shutter start timing with external signals and acquire images at any optional timing
- Auto iris lens available, outputting images even in the period when no trigger inputs, at the random shutter mode
- Partial scanning available to readout images partially and to achieve higher frame rate
- Gamma curve switchable between 0.45 and 2.2
- C-mount with the back focal length adjustment structure
- Remotely controlled by RS-232C communication
- Durable design

SKC-201CL

The SKC-201CL is a frame shutter, mega-pixel, progressive color camera with a 2/3-inch, 1.45 million pixel, forward matrix Interline Transfer CCD of 1,392×1,040.

- Random shutter function to control the shutter start timing with external signals and acquire images at any optional timing
- High minuteness output of 1,392×1,040 at RGB each channel with RGB Bayer filter sensor CCD and image processing
- 4 pins connector equipped for auto iris lens for surveillance application
- C-mount with the back focal length adjustment structure
- Remotely controlled by RS-232C communication
- Auto switching between internal and external synchronization
- Durable design



Specifications

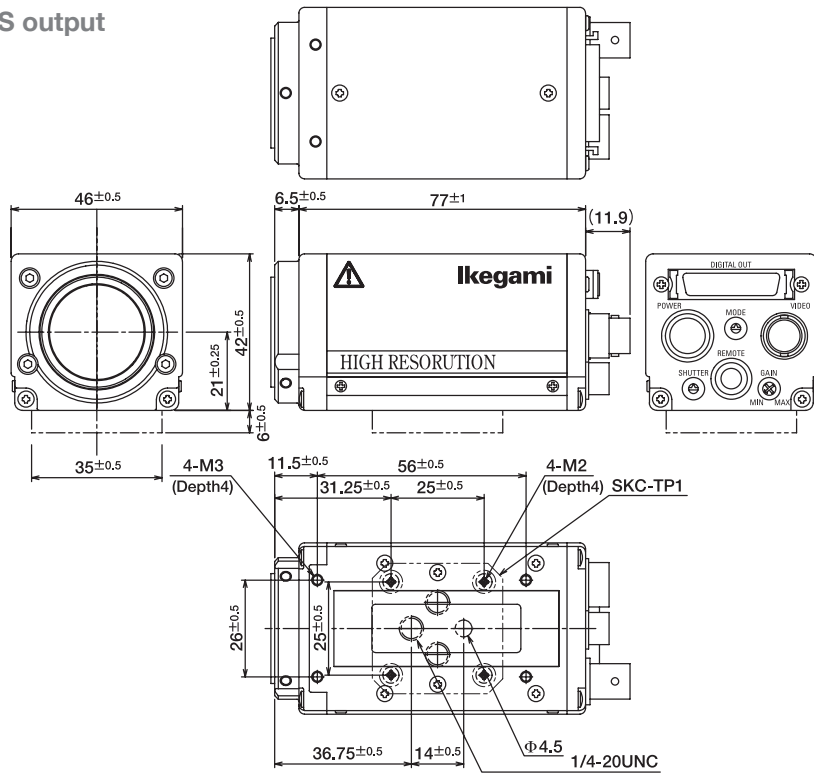
		SKC-141	SKC-151	SKC-161UV	SKC-171	SKC-201CL
Image sensor		Interline Transfer CCD				
Sensor size		2/3 inch	1/1.8 inch	1/2 inch	2/3 inch	
Effective pixel number		1392×1040	1628×1236	1392×1040		
Pixel size		6.45×6.45μm	4.4×4.4μm	4.65×4.65μm	6.45×6.45μm	
Scanning mode		15Hz progressive	12Hz progressive	10Hz progressive	30Hz progressive	15Hz progressive
Synchronization method		Internal / External (Automatic switching)				
Synchronization frequency	fh	16.000KHz	14.917KHz	10.980KHz	32.00KHz	16.000KHz
	fv	14.98Hz	11.93Hz	10.28Hz	29.96Hz	14.98Hz
Pixel clock		28.640MHz		19.656MHz	57.28MHz	28.640MHz
Remote control		RS-232C				
Video outputs	Analog	VS 1.0Vp-p / 75 ohm				
	Digital	LVDS (RS-644) or Camera Link (Base Configuration 10 bit)		LVDS (RS-644)	Camera Link (Base Configuration 8/10 bit)	Camera Link (Base Configuration RGB each 8 bit)
Power source		DC12V (11-16 V)				
Power consumption		Less than 5W			Less than 6W	
Lens mount		C-mount (With focal length adjustment structure)				
Dimension		W46×H42×D84mm				W50×H53×D130mm
Weight		Approximately 200g				Approximately 400g
Operating temperature / humidity		0~+40 degrees C / 30~75% (relative humidity) (No moisture condensation shall over)				

Dimensional outline

SKC-141/151/161UV

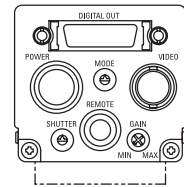
UNIT:mm

LVDS output



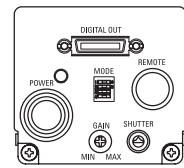
SKC-141/151

Camera Link output

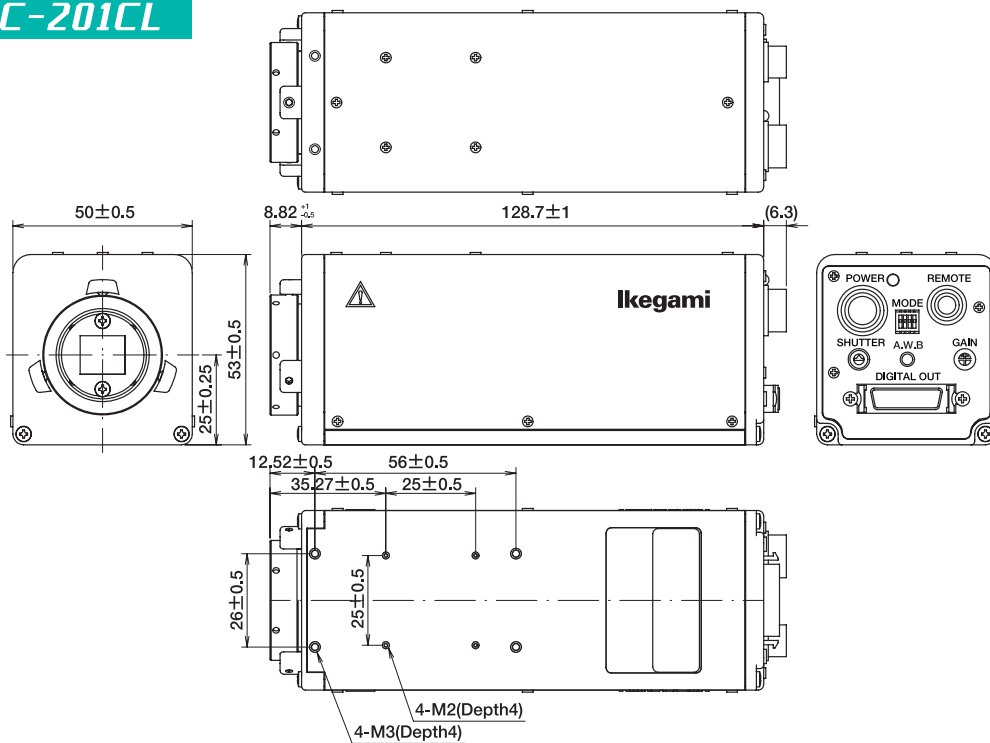


SKC-171

Mini Camera Link output



SKC-201CL



Design and specifications are subject to change without notice.

Ikegami Tsushinki Co.,Ltd.

■ URL:<http://www.ikegami.co.jp/en/>

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■ Head Office
5-6-16 Ikegami, Ohta-ku, Tokyo 146-8567, Japan TEL.+81-(0)3-5700-1111/FAX.+81-(0)3-5700-1137

■ Overseas Sales Division
5-6-16 Ikegami, Ohta-ku, Tokyo 146-8567, Japan TEL.+81-(0)3-5700-4117/FAX.+81-(0)3-5700-4120

Ikegami Electronics (Europe) GmbH ■ URL:<http://www.ikegami.de>

Ikegami Strasse 1, D-41460 Neuss, Germany TEL.+49-(0)2131-1230/FAX.+49-(0)2131-102820



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