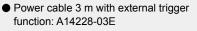
Specifications

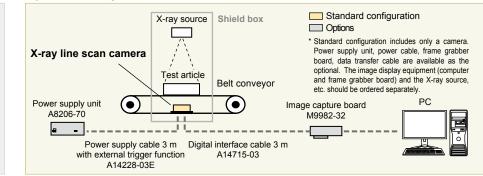
Type number	C14300-05U	C14300-08U	C14300-12U
Camera type	X-ray line scan camera		
Detection method	Scintillator method		
Scintillator	Gd type scintillator		
Recommended use range (X-ray sensitivity)	Approx. 25 kV to 160 kV		
Pitch of detected element	0.4 mm		
Detection width	256 mm, 640 pixels	409.6 mm, 1024 pixels	614.4 mm, 1536 pixels
Line speed	4 m/min to 200 m/min		
A/D conversion	14 bit		
Output signal (image data)	14 bit digital output		
Control interface	USB 3.0		
Power supply	DC +24 V		
Ambient operating temperature	0 °C to +40 °C		
Ambient operating humidity	30 % to 70 % (With no condensation)		
Performance guaranteed temperature	0 °C to +40 °C		
Ambient storage temperature	-10 °C to +50 °C		
Ambient storage humidity	30 % to 90 % (With no condensation)		

Options

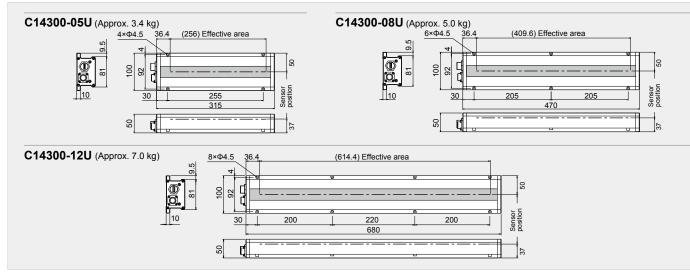


- Digital interface cable 3 m: A14715-03
- Image capture board: M9982-32
- Power supply unit: A8206-70

System configuration



Dimensional outlines (Unit: mm)



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Information furnished by HAMAMATSU is believed to be reliable. However, no responsibility is assumed for possible inaccuracies or omissions.

Specifications and external appearance are subject to change without notice.

• Please note the X-Ray images on this brochure are taken for test purpose, the images do not reflect actual qualities of the products on the market © 2018 Hamamatsu Photonics K.K.

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Cat. No. SFAS0035E0 MAY/2018 CR Created in Japan

NEW

X-ray line scan camera C14300 Series

Possible to perform non-destructive in-line inspection in a wide range of applications, including detection of foreign objects contaminating food and medical supplies





High dynamic range Enable to detect from low to high X-ray dose

High speed

Compatible with high speed inspection up to 200 m/min

Smaller footprint contributes to the smaller inspection system



Low noise

High S/N imaging with a low X-ray dose

Downsizing



Waterproof / Dustproof

Enable to wash the system with camera on, protected from water and dust

Opened the door of unrealized inspection / Possible to perform non-destructive in-line inspection in a wide range of fields

C14300 series supports a wide usage, from a thin sample inspection to a thick sample inspection.

