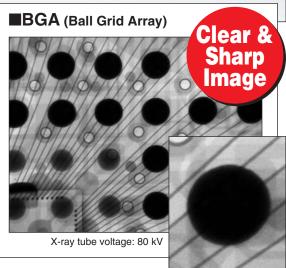
X-RAY I.I. CAMERA UNIT SERIES NEW C7336-06/-07





Camera units C7336-06/-07 consist of a high resolution, high contrast 4-inch X-ray image intensifier (X-ray I.I.) and a 2.35 mega-pixel or 3 mega-pixel CMOS image sensor respectively. The X-ray I.I. has an input window made of thin aluminum which is excellent in X-ray transmission and causes less scattering of X-rays. These features allow real-time detection at X-ray energy levels from about 20 keV.

The captured images can be transferred to PC directly by interface of Mini CameraLink or USB3.0.





Digital output •High resolution, high contrast

High-speed readout

•Low noise

Low distortion

APPLICATIONS

•X-ray imaging equipment Industrial X-ray CT scanner In-line X-ray inspection system

[Suitable samples]

- Electronic parts
- Metallic parts • Beverage products
- Printed circuit boards
 Resin parts
- Food products Pharmaceuticals

HAMAMATS PHOTON IS OUR BUSINESS

SPECIFICATIONS

Parameter			C7336-06		C7336-07	Unit
Input window material / thickness		Aluminum / 0.5 mm				—
Input phosphor		Csl				—
Output phosphor		P43				
Imaging area (H × V) (on input surface) Typ.		75 × 48			72 × 54	mm
Resolution (on input surface) Typ.		80			Lp/cm	
	Imaging device	CMOS image sensor (global shutter)				
		GO-2400M-PMCL/JAI			C13752-50U/HPK	_
	Number of effective pixels $(H \times V)$	1936 × 1216		i	2048 × 1544	—
Digital	Pixel size $(H \times V)$	5.86×5.86			3.45 × 3.45	μm
camera section	Frame rate	127 165		165	65	frames/s
	Video output	12	10	8	12	bit
	Power supply voltage (DC)	12 to 24 (12 V ± 1 V DC via PoCL)			8 to 30 (Bus power)	V
	Interface	CameraLink (Ver. 2.0)			USB 3.0	_
	connector	Mini CameraLink connector			USB 3.0 micro B type connector	
Input voltage		AC100 V to 240 V (50 Hz / 60 Hz)				
Power consumption		10				VA
Operating ambient temperature		+10 to +40				°C
Storage temperature		-10 to +45				°C
Operating and storage humidity		Below 70 % (no condensation)				—
Weight	Head	Approx. 8			kg	
	DC24 V power supply	Approx. 0.5			kg	

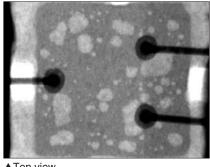
IMAGING EXAMPLES

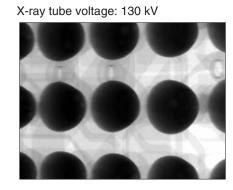
Lithium ion battery

X-ray tube voltage: 100 kV



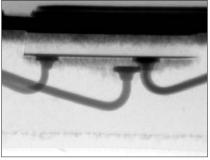
X-ray tube voltage: 90 kV





BGA



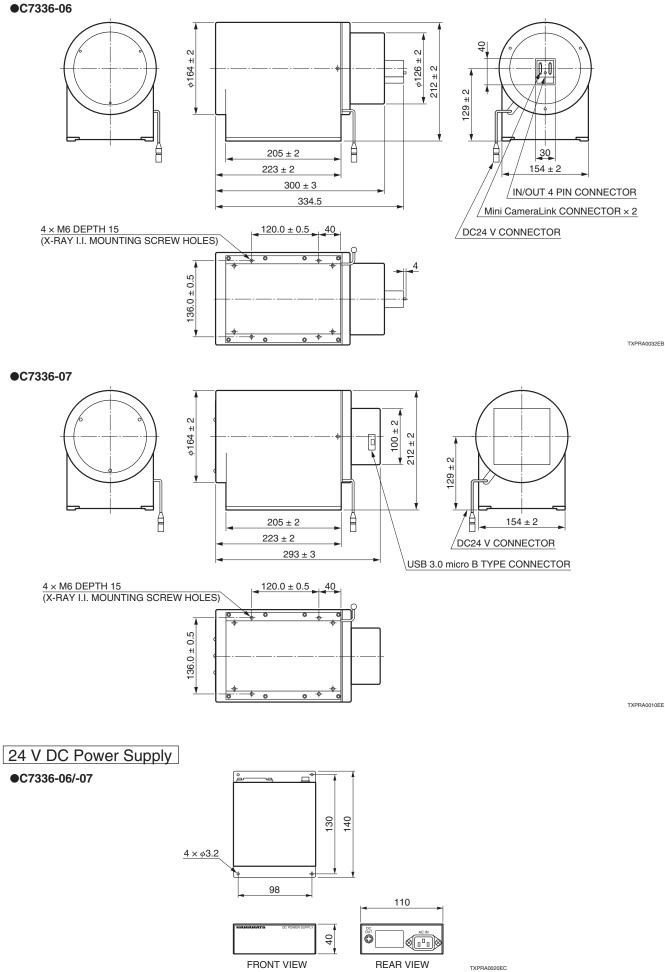


▲Side view

DIMENSIONAL OUTLINES (Unit: mm)

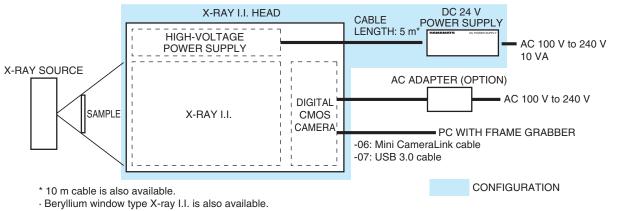






Configuration

Unit Configuration: X-ray I.I. Head + DC 24 V Power Supply for X-ray I.I.



· 4-2 inch zoom type window is also available.

TXPRC0006EE

RELATED PRODUCTS

X-CUBE[™] compact X-ray CCD cameras

X-CUBE is a compact X-ray CCD camera designed for nondestructive inspection. Using a general-purpose CCD chip mounted in a rugged but lightweight camera head, X-CUBE makes X-ray imaging as easy as handling ordinary CCD cameras.

FEATURES

- High sensitivity
- Compact
- Low power consumption



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