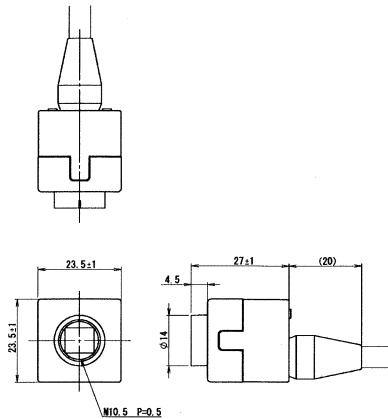# B/W CCD Camera CS8581QF

Product Description

Model CS8581QF is a CCD camera developed specifically for FA and image measurement. High-speed image processing is available by a random access. The video output interface of CS8581QF conforms to the serial digital bus standard IEEE1394b.
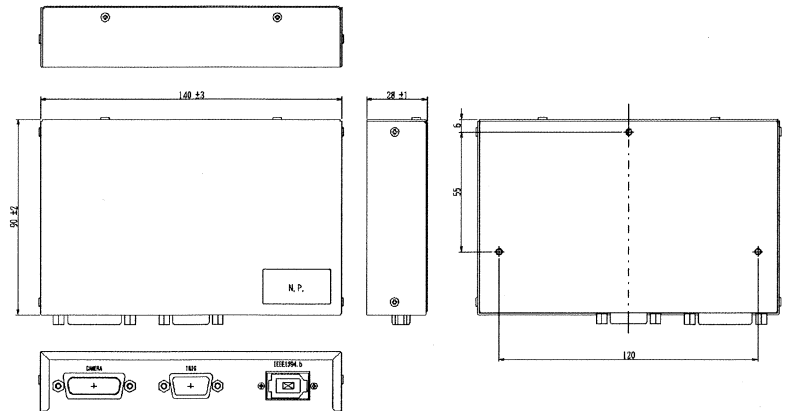
Features

- This model can read out image-data in 1/132 sec.
- All pixel's data readout
- Square grid pattern CCD

- IEEE1394b video output
- Random trigger shutter function
- PC control

External - View Drawing

Camera head external - view drawing

CCU external - view drawing

Specifications

Image sensor	All pixel's data read-out interline CCD
Active pixels	640 (H) ×480 (V)
Unit cell size	7.4 (H) ×7.4 (V) [μm]
Image size	1/3 type optical format (Diagonal: 5.92 [mm])
Driving frequency	49.152 [MHz]
Scanning system	Progressive
Sync system	Internal
Aspect ratio	4:3
Interface	Conforms to IEEE std. 1394b-2002
Transfer speed	800Mbps
Video format	Format_7 132fps 640×480 Mono 8bit
Protocol	Conforms to 1394-based Digital Camera Specification Ver.1.31
Illumination	Subject: 950lx F5.6 Minimum: 9.5lx F1.4
Gamma correction	Gamma=1.0 (Fixed)
Gain	From 0 through +12dB Gain control via IEEE1394b
Electronic shutter	Shutter speed selection via IEEE1394b
Trigger input	TTL level

Random trigger shutter		RTS operation is available via external trigger input.
	Mode0	Shutter speed preset (depends on the electronic shutter setting)
	Mode1	Shutter speed pulse width control is available.
Lens mount		M10.5 (Pitch=0.5)
Camera cable		1m directly-fixed
Power source		DC12V +/-10% (IEEE1394b cable load)
Power consumption		TBD
Performance guaranteed		Temperature: From 0 through +40℃ Humidity: From 30 through 90% (No condensing)
Operation guaranteed		Temperature: From -5 through +45℃ Humidity: From 30 through 90% (No condensing)
External dimension		Camera head: 23.5×23.5×27 [mm] CCU: 140×28×90 [mm]
Weight		Camera head: Approx. 25 [g] (Excluding Camera cable) CCU: TBD [g]

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