



Ultra Compact CCD Camera for Machine Vision

CT-3100_{series}

CT-3100 series are the Monochrome CCD cameras available in different size of CCD sensors, designed for machine vision and automated imaging applications utilizing the leading edge electronic technologies. Rugged construction in the ultra compact size assures long-lasting reliable performance in severe environmental conditions.

CT-3100 with 2/3" CCD sensor, CT-3120 with 1/2" CCD sensor and CT-3130 with 1/3" CCD sensor. Every camera in the ultra compact size operates on the same functions.

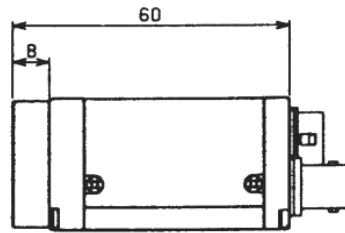
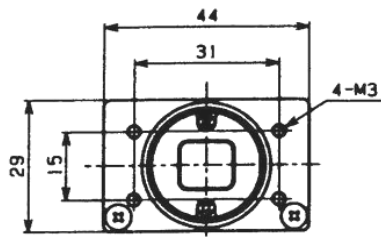
Features:

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|--|---|
| Ultra compact size of housing | 0.3lux minimum scene illumination at F1.4 |
| High resolution EIA 570TV lines | Easy mode setting on rear panel |
| External sync by HD/VD or VS signal | S/N 56dB or more |
| Random trigger, restart/reset trigger function | Auto or manual gain control |



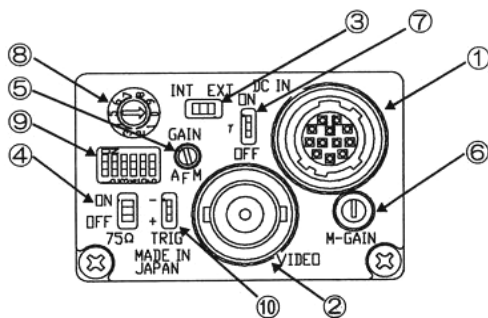
Rear panel

Dimensions



: mm

Provisions on rear panel



12P Multi-pin connector

Mating plug : Hirose HR10A-10P-12S as option

Video output BNC connector

Sync selector : Internal mode or External mode

75 termination switch

Gain selector : A=AUTO, F=Fixed or M=Manual

Manual gain control in conjunction with Gain selector

Gamma selector : ON=0.45 or OFF=1.0

Shutter speed selector

DIP switch for operation mode setting

Trigger polarity selector : + : Positive or - : Negative

Specifications

	CT-3100	CT-3120	CT-3130
CCD sensor	2/3" CCD	1/2" CCD	1/3" CCD
Number of effective elements	768 x 494 (EIA), 752 x 582 (CCIR)		
Sync. System	Internal		
Scanning system	2:1 interlace		
Video output	VS 1.0Vp-p, 75ohms		
Horizontal resolution	EIA 570TV lines, CCIR 560TV lines		
S/N ratio	Greater than 56dB (AGC Off)		
Electric shutter	1/60 (1/50 for CCIR) - 1/10,000 sec.		
Gamma	0.45 or 1.0 switchable		
AGC	Auto / Manual / Fix selectable		
Min. scene illumination	0.3 lux F1.4 with AGC ON		
Lens mount	C-Mount		
Integration	Field / Frame selectable		
Power requirement	10 - 12VDC, 200mA max.		
Operating temperature	-5 to +45		
Dimensions (WxHxL)	44 x 29 x 60mm		
Weight	97g		

Tuss Vision, Inc.

Product made in Japan