



Ultra Compact CCD Camera for Machine Vision

Progressive

CT-3020

- Progressive scanning
- Double speed scanning
- 1/3" IT CCD sensor
- High resolution
- External HD/VD input
- Internal HD/VD/WEN outputs
- Master clock pulse output
- High sensitivity 56dB
- Standard HIROSE 12P connector
- Ultra compact size



Specifications

Model	CT-3020
Image sensor	1/3" format
Number of effective elements	659 x 494
Scanning frequencies	15.734KHz
Sync. System	Internal or External by HD/VD
Scanning system	2:1 Interlace, 1/30sec Progressive, 1/60sec Progressive
Video output	VS1.0Vp-p, 75-ohm
Master clock pulse output	12.2727MHz
Signal output	HD/VD/WEN outputs
Horizontal resolution	495 TV lines
S/N ratio	56dB (Gain 0dB)
Electric shutter	1/60(1/50 CCIR) - 1/10,000sec.
Gamma	0.45 or 1.0 switchable
Gain control	Fixed / Manual(0-25dB) selectable
Min. scene illumination	1 lux at F1.4
Lens mount	C-Mount
Power requirement	10-12VDC, 180mA or less
Operating temperature	-10 to +40
Vibration resistance	7G (20 - 220Hz)
Weight	85g
Dimensions (WxHxL)	31 x 29 x 72.7mm