

Costar CCC3520N

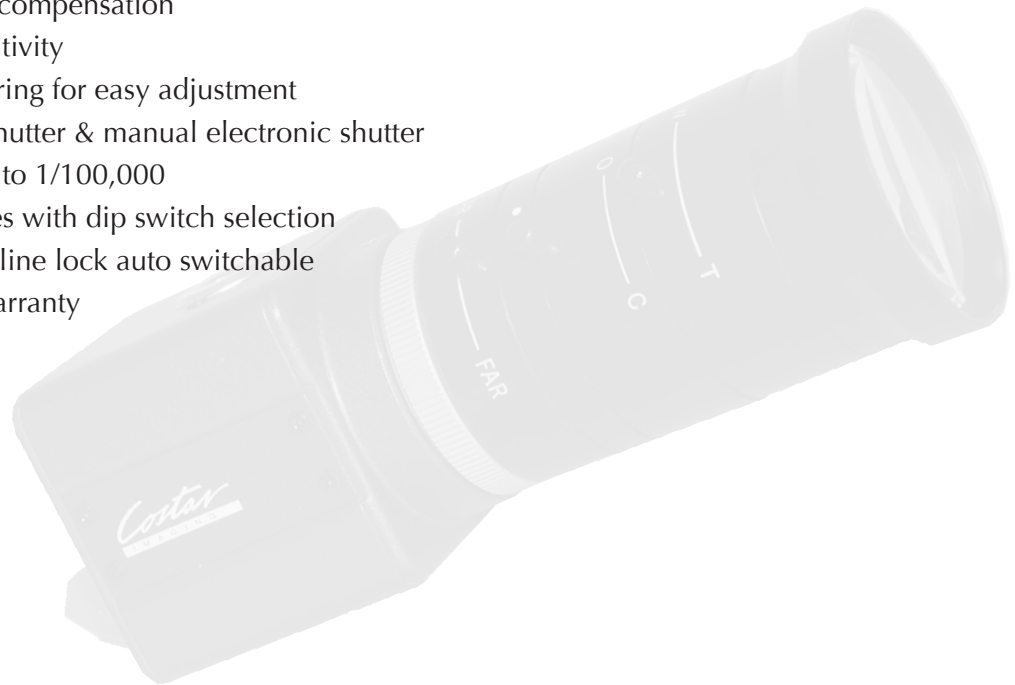
1/3" CCD High Performance Ultra Miniature 520 TVL Color Camera



The CCC3520N is an ultra miniature 1/3" CCD high-resolution color camera. Features include 520 lines of resolution, a low light sensitivity of 0.5 lux @ F1.2 and powerful image controls such as BLC, AGC, auto/manual white balance, and auto electronic shutter. The C/CS back focus ring means easy installation and quick adjustment. Accepts DC or Video AI lenses.

Product Features

- High-resolution 1/3" advanced DSP color technology
- 520 lines of resolution
- Digital backlight compensation
- 0.5 lux F1.2 sensitivity
- C/CS back-focus ring for easy adjustment
- Auto electronic shutter & manual electronic shutter modes from 1/60 to 1/100,000
- Accepts DC lenses with dip switch selection
- 12 VDC, 24 VAC line lock auto switchable
- Limited 3-year warranty



CCC3520N 1/3" CCD

CCC3520N Specifications

Power

Power Source	12 VDC, 24 VAC LL, 60 Hz
Power Consumption	2.8 W max

Sensor and General Information

Processing Technology	Sony Super HAD DSP
Image Sensor	1/3" interline transfer CCD
Picture Element	768H x 494V
Unit Cell Size	4.75H x 5.55V mm
Scanning System	2:1 interlace
Scanning Frequency	15.75KHz(H), 60Hz(V)
Sync System	Line lock-24VAC; internal-12V DC
Vert Phase Adjust Range	0° to 300°
Electronic Shutter	1/60 ~ 1/100,000 sec.
Operating Temperature	14°F to 122°F (-10°C to +50°C)
Operating Humidity	<96% non-condensing

Video

Signal Format	NTSC 525 lines
Resolution	520 TV lines
Minimum Illumination	0.5 Lux @ F1.2
Video Output	1.0 Vp-p, 75 Ohms unbalanced
Video Iris Output	650mV at video out 1.0 Vp-p
S/N Ratio	50 dB (AGC Off)
Sync Level	40 IRE
DC Iris Level Adjust	Adjustable (Potentiometer)

Functions

Auto-Iris Control	AI/DC (switch)
White Balance	AWB/Indoor/Outdoor/ Manual/WAWB
BLC	Center/Top/Bottom/Off
AGC	On/Off 30 dBmax
Normal Shutter	Normal - 1/10,000 sec
Low Shutter	1/30 sec - 1 sec

Connector and Mechanical

Video Output	BNC connector
Power Input	3-pin screw terminal jack
AI/DC Output	4-pin standard jack
Lens Mount	C/CS (selected through back-focus adjust)
Back-focus & C/CS Adjust	Back-focus ring adjustment
B/F & C/CS Lock	Tension allen head screw
Mounting Hole	1/4"-20 UNC top and bottom
External Dimensions	1.6 W x 1.6 H x 2.5 D inches (41 W x 41 H x 64 D mm)
Weight	4.6 oz (130 g)

Recommended Monitors

CMC1400N	14" high-performance multi-standard, color monitor with OSD
CMC2100N	21" high-performance multi-standard, color monitor with OSD
CMC17LCD	17" color high-performance LCD monitor, black chassis
CMC17LCDW	17" color high-performance LCD monitor, white chassis
CMC19LCD	19" color high-performance LCD monitor, black chassis
CMC19LCDW	19" color high-performance LCD monitor, white chassis

Recommended Video Recorders

CR3960	30-hour virtual real-time/960-hour high-density recorder with time/date search
CR400 Series	4 channel DVR, 120 fps, 1 channel POS, 4 audio, CD-RW, Linux
CR4000V Series	4, 8 or 16 channel DVR, 120 fps, 4 audio CD-RW, Linux
CR0900X/1600X Series	9, 16 channel DVRs, up to 120 fps, Linux
CR4XXX Series	16, 32 channel DVRs, up to 480 fps, Windows XPe

Recommended Power Supplies

CPSV04	4-channel, 12 VDC/24 VAC Selectable, Smart Fuse, 2.5 Amp @ 12 V, 4 Amp @ 24 VAC
CPSV08	8-channel, 12 VDC/24 VAC Selectable, Smart Fuse, 2.5 Amp @ 12 V, 4 Amp @ 24 VAC
CPSV16	16-channel, 12 VDC/24 VAC 8 & 8 Selectable, Smart Fuse, 5 Amp @ 12 V, 8 Amp @ 24 VAC

*Design and specifications subject to change without notice. Conversion: 1" = 25.4mm
Measurement conversions are approximate.*

