

1/4" CCD High sensitivity, High resolution

Mini color camera

CPT-CD55

SPECIFICATION

Image sensor	Color 1/4" CCD super sensitive
Scanning system	2:1 Interlace scanning
Scanning frequency	NTSC: Hor15,734Hz x Ver59.94Hz,60Hz Line lock PAL: Hor. 15,625Hz x Ver. 50Hz, 50Hz Line lock
Picture elements	NTSC: 811(H) x 508(V), 525 lines 60Hz PAL: 795(H) x 596(V), 625 lines 50Hz
Resolution	CVBS 460TVL
Sensitivity (AGC on)	0.1 Lux at F1.2, 0 Lux under IR illumination
S/N Ratio	>50dB (AGC off, AESC off, Y sig.)
Auto Electronic shutter	1/50(60) ~ 1/100,000 second
Back Light Compensation	64 detection area + enhanced center compenstrn.
Auto Gain Control (AGC)	Up to 65 dB = ALC + Sample 32dB + DSP 28dB
White Balance adaptation	Auto Tracking White Balance: 2500°K~ 9500°K
Picture aperture	Hor. 2H, Ver. 2V Enhancement
Synchronization	Internal
Video Output	1.0 Vp-p, 75ohm BNC
Gamma	0.45
D.S.P. memory format	16 Bit 256 word
D.S.P. converter ratio	8 Bit (A/D), 10Bit (D/A)
D.S.P. storage device	EEPROM
Lens mounting	C or CS mounting,
Iris compatibility	Video iris
Power voltage	DC 8~20V or AC 8~24V
Power consumption	2W, <100mA
Camera mount	1/4" 20unc, Top or bottom mounting
Casing structure	Aluminum alloy, Black baked enamel finishing
Dimension & weight	34(W) x 36(W) x 70(L) mm, 120 g.
Ambient Temperature	Operating: -15°C ~ +60°C, Storage: -30°C ~ +70°C
Ambient Humidity	0 to 95% relative, non-condensing.
Geometric distortion	None



Features & Characteristic:

- * Built with 1/4" color CCD.
- * High sensitivity 0.1 lux, 460 TVL resolution.
- * Super dynamic range processing between light & dark area, suitable under IR illumination.
- * Strong image sensor to prevent light over flow.
- * Auto multi layer exposure mode processing
- * Auto multi layer white balance mode processing
- * Auto back light mode processing
- * Auto multi layer auto gain mode setting
- * Built with smart processor chipset capable of Independent gain control between Day & Night.
- * Multi task of black level, white level detection windows, picture enhancement.
- * Compatible to C or CS, DC or Video iris Lens.
- * Low power consumption DC 8~20V or AC 8~24V, single power input terminal.

Model # description

NTSC system:	PAL system:	
CPT-CD55	CPT-CD55P	= DC12V

Special application

CPT-CD55 /M	CPT-CD55P /M	= Microscope application
CPT-CD55 /E	CPT-CD55P /E	= Back License Plate recognition
CPT-CD55 /E500	CPT-CD55P /E500	= Front License Plate recognition