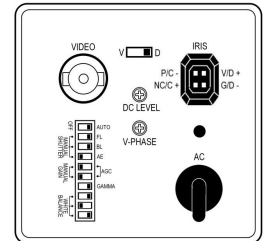
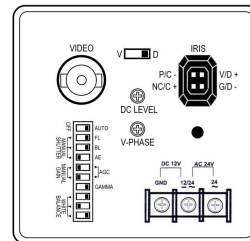


1/2" Ex-view CCD star light sensitivity, High resolution
DSP color camera

CPT-CDH70

SPECIFICATION

Image sensor	Color 1/2" Ex-view CCD
Scanning system	2:1 Interlace scanning
Scanning frequency	NTSC: Hor.15,734Hz x Ver.59.94Hz, 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 500TVL, Y/C 550TVL
Sensitivity (AGC on)	0.001 Lux at F1.2, 0 Lux under IR illumination
S/N Ratio	>65dB (AGC off, AESC off, Y sig.)
Auto Electronic shutter	1/50(60) ~ 1/100,000 second
Manual elect. shutter	8 speed selection : 1/50(60), 1/100, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000 second
Flicker less	START: 1/100 sec., OFF: 1/50(60) sec.
Back Light Compensation	256 detection area + enhanced center compenstr.
Auto Gain Control (AGC)	Up to 65 dB = ALC + Sample 32dB + DSP 28dB
Manual Gain Control	8 gain selection 0/6/10/12/18/22/26/28 dB
White Balance adaptation range	Auto White Balance: 2400°K~12000°K Auto Tracking White Balance: 2500°K~ 9500°K Manual WB: 3200°K / 4200°K / 4700°K / 6300°K
Picture aperture	Hor. 2H, Ver. 2V Enhancement
Synchronization	Internal
Optional synchronization	Linelock, Genlock, HD/VD
Video Output	1.0 Vp-p, 75ohm BNC, Optional: Y/C output
Gamma	Adjustable 0.45 or 1.0
Visible spectrum	240nm ~ 1,200nm
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 or DC iris , Positioning: AV~PX adjustable
Power voltage	DC 12~30V or AC 24V or AC 85V~AC 265V
Power consumption	3W, < 200 mA
Camera mount	1/4" 20unc, Top or bottom mounting
Casing structure	Aluminum alloy, Ivory color
Dimension & weight	62(W) x 62(W) x 130(L) mm, 335 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 Color 1/2" Ex-view CCD & IR pass crystal.
- * Star light sensitivity 0.001 lux, 500 TVL resolution.
- * Super dynamic range processing between light & dark area, suitable under IR illumination.
- * Strong image sensor to prevent light over flow.
- * Auto gain under dark area to prevent noise.
- * Built with smart processor chipset capable of Independent gain control between Day & Night.
- * Multi level shutter & White balance setting.
- * Flickerless, Back light compensation setting.
- * Multi task of synchronization, detection windows, picture enhancement, gamma value processing.
- * Rear panel DSP switches for easy setup.
- * Compatible to C or CS, DC or Video iris Lens.

Model # description

NTSC system:	PAL system:	
CPT-CDH70	CPT-CDH70P	= DC12
CPT-CDH70 /AC	CPT-CDH70P /AC	= AC85 - AC265V
CPT-CDH70 /DN	CPT-CDH70P /DN	= Auto B/W switching under low lux
CPT-CDH70 /YC	CPT-CDH70P /YC	= with Y/C signal output
CPT-CDH70 /A	CPT-CDH70P /A	= with Audio microphone

Optional synchronization

CPT-CDH70 /L	CPT-CDH70P /L	= Linelock, AC mode
CPT-CDH70 /G	CPT-CDH70P /G	= Genlock, AC mode
CPT-CDH70 /HV	CPT-CDH70P /HV	= HD - VD lock, AC mode

Special application

CPT-CDH70 /M	CPT-CDH70P /M	= Microscope application
CPT-CDH70 /S	CPT-CDH70P /S	= Color recognition application
CPT-CDH70 /E	CPT-CDH70P /E	= Back License Plate recognition
CPT-CDH70 /E500	CPT-CDH70P /E500	= Front License Plate recognition