

1/3" CCD High sensitivity OSD
 DSP IR camera w/ Varifocal Lens

CPT-RM53xx series

SPECIFICATION

Application	Outdoor
Image sensor	Color 1/3" Super HAD CCD
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), PAL : 795(H) x 596(V)
Resolution	CVBS 520TVL
Sensitivity (AGC on)	0.01 Lux at F1.2, 0 Lux under IR illumination
S/N Ratio	>58dB (AGC off, AESC off, Y sig.)
Auto Electronic shutter	1/50(60) ~ 1/100,000 second
Back Light Compensation	64 detection area + enhanced center compenstr.
Auto Gain Control (AGC)	+ DSP 18dB
White Balance adaptation	Auto White Balance: 2400°K~12000°K
Picture aperture	Hor. 2H, Ver. 2V Enhancement
Synchronization	Internal.
Video Output	1.0 Vp-p, 75ohm BNC
Gamma	Adjustable
Visible spectrum	240nm ~ 1,200nm
D.S.P. memory format	16 Bit 256 word
D.S.P. converter ratio	10 Bit (A/D), 10Bit (D/A)
D.S.P. storage device	EEPROM
Power voltage	DC 12 or AC24V or AC85~265V
Power consumption	15W, 70mA
Casing structure	Aluminum alloy
Dimension & weight	140(W) x 130(H) x 430(L) mm, 4Kg
Ambient Temperature	Operating: -15°C ~ +60°C, Storage: -30°C~ +70°C
Ambient Humidity	0 to 95% relative, non-condensing.

IR LAMP

Light Source	IR LED , Spectrum: 840nm ~ 940nm
Light sensor	CDS sensitivity Adjustable to activate LED
MTBF	10,000 hours

Lens focus Viewing Angle	4.0mm	6.0mm	8.0mm	12.0mm	16.0mm
Horizontal	45°	38°	31°	22°	14°
Vertical	33°	29°	24°	16°	10°
Diagonal	57°	48°	38°	27°	15°



Features & Characteristic:

- * High resolution IR camera, Outdoor
- * Various Vari Focal Lens application
- * Built with color 1/3" Super HAD
- * High sensitivity 0.01 lux.
- * High Resolution 520 TVL resolution
- * Easy installation & adjustment design:
- * DSP (Digital Signal Processing) Video quality.
- * Image framing into 64 backlight detection area.
- * Center image compensation enhancement.
- * Auto electronic shutter, AGC, AWB, BLC
- * 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.

Model # description

CPT-RM5338	3.5 ~ 8.0 mm
CPT-RM5356	5.0 ~ 60.0 mm