

1/3" CCD Vandal proof High sensitivity

DSP color Dome camera

CPT-CV33 / CV33H

SPECIFICATION

Model No.	CV33	CV33H
Image sensor	Color 1/3" 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: 537(H) x 505(V) PAL: 537(H) x 597(V)	NTSC: 811(H) x 508(V) PAL: 795(H) x 596(V)
Resolution	CVBS 420TVL	CVBS 480TVL
Sensitivity (AGC on)	0.02 Lux at F1.2, 0 Lux under IR illumination	
S/N Ratio	>55dB (AGC off, AESC off, Y sig.)	
Auto Electronic shutter	1/50(60) ~ 1/100,000 second	
Back Light Compensation	256 detection area + enhanced center compenstn.	
Auto Gain Control (AGC)	Up to 65 dB = ALC + Sample 32dB + DSP 28dB	
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	0.45	
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	
Power voltage	DC 12	
Power consumption	2W, 100mA	
Casing structure	Ultra hard grade aluminum w/ paint finish	
Dimension & weight	142(Ø) x 84(H) mm, 600 g.	
Ambient Temperature	Operating: -15°C ~ +60°C, Storage: -30°C ~ +70°C	
Ambient Humidity	0 to 95% relative, non-condensing.	

Lens focus Viewing Angle	2.1mm	2.5mm	2.9mm	3.6mm	4.3mm
Horizontal	110°	104°	96°	73°	62°
Vertical	93°	78°	72°	55°	45°
Diagonal	150°	130°	120°	92°	78°

Lens focus Viewing Angle	6.0mm	8.0mm
Horizontal	45°	31°
Vertical	33°	24°
Diagonal	57°	38°



Features & Characteristic:

- * Compatible to optional Varifocal 4~8mm, Auto iris lens
- * Built with color 1/3" CCD
- * High sensitivity 0.02 lux.
- * Resolution 420 or 480TVL resolution.
- * Easy installation & adjustment design: External view angle adjustable Hor.350°, Ver.90°
- * Fire proof casing UL material, Break resistant, suitable for public places safety surveillance.
- * DSP (Digital Signal Processing) Video quality.
- * Image framing into 256 backlight detection area.
- * Center image compensation enhancement.
- * Auto electronic shutter, AGC, AWB,
- * Optional Audio microphone
- * Super dynamic range processing between light & dark area, suitable under IR illumination.
- * Multi level gain setting, up to 65dB gain value.
- * 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

NTSC system:	PAL system:	
CPT-CV33	CPT-CV33P	= DC12
CPT-CV33 /IR	CPT-CV33P /IR	= with IR pass crystal
CPT-CV33 /AIZ	CPT-CV33P /AIZ	= with Varifocal Auto iris lens
CPT-CV33 /A	CPT-CV33P /A	= with Audio microphone
CPT-CV33H	CPT-CV33HP	= DC12
CPT-CV33H /IR	CPT-CV33HP /IR	= with IR pass crystal
CPT-CV33H /AIZ	CPT-CV33HP /AIZ	= with Varifocal Auto iris lens
CPT-CV33H /A	CPT-CV33HP /A	= with Audio microphone