

Marshall Electronics

PROFESSIONAL A/V DIVISION

CV505 / CV345 POV Cameras Data Sheet

CV505 / CV345		
Sensor	Image Sensor	1/3" Progressive CMOS (Approx. 2.1 mega)
	Scanning System	16:9 Progressive
	Sync. System	Internal
	Effective Pixel	1920(H) x 1080(V)
	Min. Illumination	0.2Lux (Day), 0.1Lux (Night), 0.005Lux(DSS on)
	Horizontal Resolution	1000TVL
Optics	Lens	CV505 comes with 3.7mm (M12 mount) – interchangeable CV345 (CS/C mount w/ DC-Auto Iris) – variable lens options
Functions	Back Light Compensation	WDR (Wide Dynamic Range)/BLC (Back Light Compensation), HLC (High Light Compensation)
	Exposure	Auto / Manual
	White Balance	Auto (3,000°K~8,000°K) / ATW(1,900°K~11,000°K) / Manual
	Day & Night System	AGC (Auto Gain Control)/ TDN(ICR)
	Electronic Shutter	NTSC: 1/30~1/30000, PAL: 1/25~1/30000, DSS(~X64)
	Functions	Privacy Mask, Image Mirror, 3DNR, Flicker-less, Sharpness, Defog, DIS (Digital Image stabilizer), NegArt, Freeze, B&W
Video Outputs	3G-SDI (+optional Audio)	SMPTE 424M(2.97Gbps): 1920x1080p @ 59.94fps (-MB/-CSB) or 1920x1080p @ 50/60fps (-M/-CS)
	HD-SDI (+optional Audio)	SMPTE 292M(1.485Gbps): 1920x1080p @ 29.97 (-MB/-CSB) or 25/30 (-M/-CS) 1920x1080i @ 59.94 (-MB/-CSB) or 50/60fps (-M/-CS) 1280x720p @ 59.94/29.97fps (-MB/CSB) or 50/60 (-M/-CS) 800mVp-p, 75Ω, unbalanced generator(single-ended)
	HDMI (+Audio) Output (HDMI type A female)	HDMI 1.3 compliant 1920x1080p @ 59.94fps (-MB/-CSB) or 50/60 (-M/-CS) 1920x1080p @ 29.97 (-MB/-CSB) or 25/30 (-M/-CS) 1920x1080i @ 59.94 (-MB/-CSB) or 50/60fps (-M/-CS) 1280x720p @ 59.94/29.97 (-MB/CSB) or 50/60 (-M/-CS)
Audio Input	MIC Input	Mic Level (1Vrms). 2.5V Mic bias
		16,20,24,32 bits audio format. 48KHz sample rates
		Gain : -12dB ~ 59.5dB
Control Interface	RS-485	PELCO-P/D, SONY-VISCA protocol
		8 bits data, 1 stop bit, no parity, 2400~115200bps
General	Operation Temperature	-10°C ~ 50°C
	Power Input	12VDC (7V to 15VDC)
	Power consumption	Max 6W
	Dimensions	CV505: 36(W) X 36(H) X 45(D)mm CV345: 60(W) x 57(H) X 45(D) mm
	Weight (Net)	CV505: Approx. 140g CV345: Approx. 160g