Marshall

BROADCAST & **PRO AV**

CV504

Micro POV Camera (3GSDI)



3GSDI

LENS OPTIONS

RS-485 CONTROL

TRS AUDIO

OVERVIEW

The Marshall CV504 POV camera is built around a next generation Sony sensor with over 2 million pixels and larger pixels. The micro CV504 delivers exceptional 10 bit 4:2:2 video performance (BT.709) from a durable aluminum alloy body through 3GSDI (BNC) output and flexible interchangeable lenses. The new Sony sensors offer rich color accurate video with improved low light sensitivity and refined remote adjust and match capability.

PRODUCT FEATURES

- 2.2 Megapixel Sony sensor with square pixel array
- Interchangeable M12 lens mount; comes with a 4.0mm - 78.8° Horizontal AOV
- 3GSDI (BNC) 10bit, 4:2:2, BT.709 with remote adjust & match
- 1920x1080p, 1920x1080i & 1280x720p resolutions selectable
- Framerates: 60, 59.94, 50, 30, 29.97, 25, 24, 23.98fps
- Control via CV-RCP-V2, Camera Control Software and/ or a variety of 3rd party sources
- Micro-USB port for field upgradeable firmware via PC
- Locking Hirose cable (included) for OSD menu joystick, RS485, AUDIO and power
- Audio Line input does not provide power to the audio device. Mic will use Mic Bias 1.7V and up to 3mA max current
- Weight: 0.3lbs (0.136kg); approx dims: 40mm x 44mm x 55mm
- Power: 12V+/-10% drawing 2.64W (max 6W)

SPECIFICATIONS

Sensor	Image Sensor	Sony 1/2.8" IMX CMOS Solid-state Image Sensor with Square Pixel Array
	Color	10bit, 4.2.2, ITU BT.709
	Pixel Size	2.9 µm x 2.9 µm
	Effective Pixel	1920 (H) x 1080 (V) - 16:9 HD ratio
	Min. Illumination	0.01Lux (Day), 0.005Lux (Night)
Optics	Lens	CV504/CV504-WP/CV508 = Interchangeable M12, 4mm (78.8° H.AOV) CV348 = CS/C mount lenses (sold separate)
Functions	Back Light Compensation	WDR, BLC, HLM
	Exposure	Auto / Manual / AGC Fix / Shutter Fix
	White Balance	ATW (1,900°K~11,000°K) / Manual / Indoor / Outdoor / One Push
	Day & Night System	Day (color) & Night (b/w) capability (Auto/Manual/Adjustable) with removable IR cut filter mechanism
	Electronic Shutter	1/30~1/10000
	Functions	Privacy Mask, Image Mirror/Flip, 2D+3DNR, Flicker-less, Defog, Dzoom DIS (Digital Image stabilizer), NegArt, Freeze
Video Outputs	HDSDI 3GSDI	SMPTE 292M(1.485Gbps): 1920x1080p @ 23.976, 24, 25, 29.97, 30. 1920x1080i @ 50, 59.94, 60. 1280x720p @ 50, 59.94, 60 SMPTE 424M(2.97Gbps): 1920x1080p @ 50, 59.94, 60fps 800mVp-p, 75Ω, unbalanced generator (single-ended)
	HDMI (+Audio)=CV508 only	HDMI 1.3 compliant on CV508 simultaneous to 3GSDI outputs
Audio Input	MIC Input	TRS Stereo, Mic/Line Level input with 1.7V Mic bias 48mHz, Bit Depth: 8bits data, 1 stop bit, no parity, 2400~115200bps
Control Interface	Visca over RS485	SONY-VISCA protocol, Camera ID#, Baudrate 2400~115200
General	Operation Temperature	-10℃ ~ 50℃
	Power Input	12V DC (7V to 15VDC)
	Power consumption	Max 6W: CV504/CV504-WP = 2.64W, CV508 = 2.76W, CV348 = 3.6W