

# Product Spec Sheet from Rentex

## Marshall CV345-CSB Full-HD (3G/HD-SDI) 2.5MP Compact Broadcast Camera with Audio and HDMI

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Rentex Product No. CAM3505



Mfr Part No. CV345-CSB

Marshall Electronics next generation Miniature Compact CV345 HD Pro-Series Cameras add the convenience of a 3.5mm TRS Stereo input (audio embedding) with 2.5V power to microphone and broadcast convenient HD-SDI/3G-SDI (BNC) & HDMI (v1.3) simultaneous outputs. Built around next generation chip sets and a state-of-the-art 1/3" megapixel sensor improves every aspect of previous models. Capturing broadcast quality HD video from 2,476,296 pixels (2.5MP) of clear, crisp video at full-HD resolutions of 1920x1080i, 1920x1080p, 1280x720p & frame-rates of 60/59.94/50/30/29.97/25fps.

### Features

- 1/3" 2.5MP CMOS Sensor
- C/CS Mount with Auto-Iris
- Broadcast Compatible Frame Rates
- HD/3G-SDI & HDMI Output
- Min. Illumination of .05 Lux in Color
- Digital Wide Dynamic Range, 2D & 3D NR

### Detailed Specifications

|                              |                                                                                                                                                                                                                                         |                                   |                                                                                                      |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|------------------------------------------------------------------------------------------------------|
| <b>Sensor</b>                | 1/3" CMOS Sensor (approximately 2.5 MP)                                                                                                                                                                                                 | <b>Backlight Compensation</b>     | WDR/BLC/HLC                                                                                          |
| <b>Effective Pixels</b>      | 1920 x 1080                                                                                                                                                                                                                             | <b>Control Interface</b>          | RS-485<br>PELCO-P/D<br>Sony-VISCA protocol<br>8 bits data, 1 stop bit, no parity,<br>2400~115200 bps |
| <b>Horizontal Resolution</b> | 1000 TVL                                                                                                                                                                                                                                | <b>Temperature &amp; Humidity</b> | Operating: 14 to 122 °F / -10 to 50 °C                                                               |
| <b>Sync System</b>           | Internal                                                                                                                                                                                                                                | <b>Power</b>                      | Voltage: 12 VDC (7 to 15 VDC Range)<br>Consumption: Max 6 W                                          |
| <b>Minimum Illumination</b>  | Color: 0.2 Lux<br>B&W: 0.1 Lux<br>DSS On: 0.005 Lux                                                                                                                                                                                     | <b>Dimensions (WxHxD)</b>         | 2.4 x 2.2 x 1.8" / 60 x 57 x 45 mm                                                                   |
| <b>Lens</b>                  | CV345 variable lens options (CS/C mount w/ DC-Auto Iris)                                                                                                                                                                                | <b>Weight</b>                     | 5.6 oz / 160 g                                                                                       |
| <b>Max Output Level</b>      | <b>3G-SDI SMPTE 424M (2.97 Gbps)</b><br>1080p: 59.94 fps<br><br><b>HD-SDI SMPTE 292M (1.485 Gbps)</b><br>1080p: 29.97<br>1080i: 9.94<br>720p: 59.94/29.97<br><br><b>HDMI</b><br>1080p: 29.97/59.94<br>1080i: 59.94<br>720p: 29.97/59.94 |                                   |                                                                                                      |
| <b>Electronic Shutter</b>    | NTSC: 1/30 to 1/30000                                                                                                                                                                                                                   |                                   |                                                                                                      |
| <b>White Balance</b>         | AWB/AWC-Set/Manual/Indoor/Outdoor                                                                                                                                                                                                       |                                   |                                                                                                      |