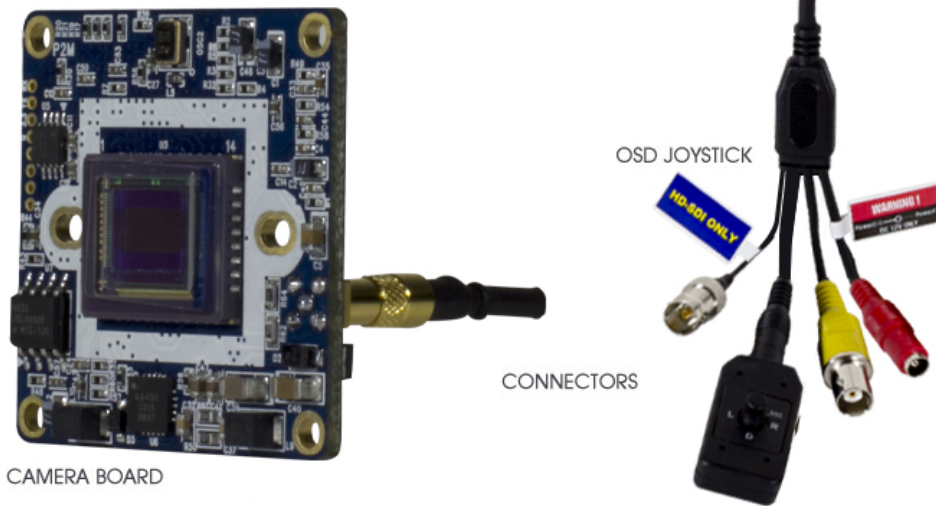


# CAMERAS

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## V-1290-2MPPCB / V-1290B-2MPPCB 2 Megapixel HD-SDI/3G-SDI 1/3" Color Board Camera (Sensor board and cable only)



Marshall 2.1 Megapixel CMOS Board Cameras produce Full HD 1080p/1080i/720p in a variety of framerates from a 1/3" CMOS Sensor for Broadcast, Audio/Video, Industrial, Machine Vision, Security, Robotics, and a variety of other OEM applications. This camera board has true Day/Night functionality with features such as double shutter Wide Dynamic Range, adaptive Digital Noise Reduction (2D/3D), Digital Fog Removal, High Light Compensation, and a variety of OSD adjustments creating clear, crisp, High Definition video images. The M12 mount provides flexibility with a variety of Marshall fixed, varifocal, and auto-iris lens options available for specific application requirements. Marshall PN: V-1290-2MPPCB cameras feature HD-SDI and CVBS (BNC) simultaneous video outputs for testing image quality

- 2.1 Megapixel 1/3" CMOS Sensor
- Full HD Video - simultaneous HD-SDI & CVBS outputs
- Resolutions: 1080p/1080i/720p (NTSC/PAL)
- V-1290-2MPPCB frame rates: 60/50/30/25
- V-1290B-2MPPCB frame rates: 59.94
- M12/CS lens mounts available (lens/holder sold separately)
- Double Shutter Wide Dynamic Range (WDR)
- Digital Fog removal function, Digital Noise Reducer (2D/3D)
- Motion Detection, Privacy Zone Masking
- Dims: 1.25"H x 1.25"W x .75"D (32mm x 32mm x 19.05mm)
- Power Source: DC12V (PN: V-PS12-500, sold separately)
- Power Consumption: Max. 150mA

| Lens Holder Options | Lens Holder Part # | Lens Mount Type | V-1290 Compatible | V-1280 Compatible |
|---------------------|--------------------|-----------------|-------------------|-------------------|
|                     | V-LH-1290-CS       | CS              | Yes               | Yes               |
|                     | V-LH-1290-M12-1    | M12             | Yes               | Yes               |

| SPECIFICATIONS          |  |
|-------------------------|--|
| Item                    | Feature                                |
| Imaging Sensor          | 2.1 Megapixel 1/3" CMOS                |
| Scanning System         | Progressive Scan                       |
| Number of active pixels | 1944(H) X 1092(V) = 2,122,848 (pixels) |

|                          |   |
|--------------------------|---|
| Total number of pixels   | 2010(H) X 1108(V) = 2,227,080 (pixels)  |
| S/N Ratio                | More than 50  |
| Video Output Mode        | V-1290-2MPPCB: 1080p/60(50), 1080i/60(50), 720p/60(50)  |
|                          | V-1290B-2MPPCB: 1080p/60, 1080i/59.94, 720p/59.94   |
| Video Output Level       | HD-SDI / 3G -SDI<br>Analog (CVBS): 700TVL NTSC/PAL (Without WDR)  |
| Min. Illumination        | 1.0Lux (Color), 0.5Lux (BW), 0.02Lux (Sens-up x30)  |
| O.S.D                    | Built-in  |
| Electronic Shutter Speed | Auto / Flk  |
|                          | (NTSC : 1/30sec ~ 1/50,000sec)  |
| AGC                      | 1 ~ 15 Step   |
| Sens-up                  | Auto / Off (x2~x30)   |
| D-WDR                    | On / Off  |
| DEFOG                    | On / Off  |
| Backlight Compensation   | WDR / BLC / HSBC / Off  |
| White Balance            | AWB / AWC-SET / MANUAL / INDOOR / OUTDOOR   |
| Day & Night              | Auto / B.W / Color / EXT (Selectable)   |
| DNR                      | 2DNR / 3DNR(SMART NR)   |
| D - EFFECT               | Freeze / Mirror / D-Zoom / Smart D-Zoom / NEG.IMAGE / DIS   |
| D-Zoom / Smart D-Zoom    | On / Off(x2 ~ x62) (25P/30P Only)   |
| DIS                      | On / Off (A-30/25P (Only))  |
| Motion Detection         | On / Off (4 Zone Selectable)  |
| Privacy Masking          | On / Off (8 Zone Selectable)  |
| Language                 | English / Japanese / Chinese / Korean / German / French / Italian / Spanish / Polish / Russian / Portuguese / Dutch / Turkish / Hebrew / Arab |
| Pixel Correction         | LIVE DPC / STATIC DPC / BLACK DPC   |
| Protocol                 | Pelco - D/P   |
| Adjust                   | SHARPNESS / MONITOR / LSC / NTSC/PAL  |
| Supplied Voltage         | DC12 ±10%   |
| Power Consumption        | 30p: Max. 2.1W (170mA) / 60p: Max. 2.8W (230mA)   |
| Dimension                | 32(W) X 32(H) X 1.6(D)  |
| Weight                   | 8g  |