

Characteristic



Optional Features



74L SERIES

Description

The 74L series are designed with optical isolation in order to avoid the infrared internal reflection to achieve the best video performance. It has integrated our unique dynamic infrared technologies. The optional M-ICR is also available for this series. The outstanding heat dissipation design makes the camera series has much longer infrared illumination radius with limited enclosure space.



The dynamic infrared technology (DIT) gives all our series cameras capable of adjusting infrared strength according to the actual environment. The camera is able to analyze and then communicate to the infrared module for the proper infrared illumination level dynamically.

Features

- Sony 1/3 inch charge coupled device
- Infrared illumination build-in
- Dynamic infrared technology integrated
- Ingress protection level 66
- Up to optional 540 television lines
- Optional motorized infrared cut removal filter (M-ICR)
- Approximately 25 meters infrared illumination range
- Color rolling correction (CRR) integrated

Specifications

| | |
|-------------------------------|--|
| Image sensor | 1/3" Sony Super HAD CCD Technology |
| Total pixels | 74LAMI NTSC: 537 x 505 / PAL: 537 x 597 74LCHI NTSC: 811 x 508 / PAL: 795 x 597 |
| Effective pixels | 74LAMI NTSC: 510 x 492 / PAL: 500 x 582 74LCHI NTSC: 768 x 494 / PAL: 752 x 582 |
| Auto gain control (AGC) | Auto (max. 34dB) |
| Infrared illuminator | 36 pieces \varnothing 850nm infrared illuminator |
| Back light compensation (BLC) | Auto detect, histogram and 225 areas windows weighted |
| Electronic shutter | A/NTSC: 1/60 second / PAL: 1/50 second |
| Exposure control | Auto |
| Gamma correction | 0.45 |
| White balance | Auto tracking 2500K to 9500K |
| Scanning mode | 2:1 interlace scan |
| Scanning line | NTSC: 525 lines / PAL: 625 lines |
| Hor. scanning frequency | NTSC: 15.734K Hertz / PAL: 15.625K Hertz |
| Ver. scanning frequency | NTSC: 59.94K Hertz / PAL: 50K Hertz |
| Acceptable IR wavelength | 100 to 1100nm (night mode on) |
| Aperture correction | Horizontal and vertical 2H enhancer |
| Lens type | 3.6mm 12 \varnothing mount fix focal lens (Contact us for more lens option) |
| Signal to noise ratio | More than -48dB |
| Signal synchronization | Internal |
| Video output | 1Vp-p, 75 Ω composite BNC connector |
| Signal system | NTSC / PAL |
| Horizontal resolution | 74LAMI 420 TV lines 74LCHI 540 TV lines |
| Sensitivity | 74LAMI Mono: 0 lx. (IR ON) 74LCHI Mono: 0 lx. (IR ON) |
| Operating temperature | -10°C to 50°C (14 °F to 122 °F) |
| Storage temperature | -20°C to 70°C (-4 °F to 158 °F) |
| Weight | Approximately 480g |
| Dimensions | \varnothing 110 x 74mm |
| Power consumption | 74LAMI Direct power 12V 330mA 74LCHI Direct power 12V 350mA |

Product specifications are subject to change without notice

Mechanism Diagram

