

# Ikegami

GIVING NEW VALUE TO IMAGES

High Resolution True Day / Night Color Camera

# ICD-509 [NTSC] ICD-509P [PAL]



540/570TVL

0.037/0.037LUX

52dB



**True Day/Night camera designed by High-End Broadcast Specialists to meet the High-End Demands of today's CCTV Professional.**

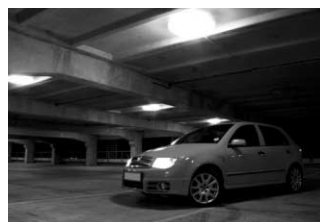
*Building on the success of its previous high quality cameras, Ikegami is proud to announce the 'ICD-509/509P'. This camera now comes with higher resolution, a massive 540TVL (Color mode) and 570TVL (Monochrome mode), plus the added benefit of True Day/Night changeover function. This leads to higher sensitivity at low light levels when the camera will automatically switch to a Monochrome output for improved low light performance.*

### **0.037Lux, True Day/Night Change-over Function**

Well designed moving IR cut filter system, inter-connected with the Automatic Gain Control system makes the ICD-509/509P the ideal Day/Night camera, capable of providing a high quality crisp picture reproduction with 570TVL horizontal resolution under ultra low light conditions down to an amazing 0.037lux minimum scene illumination performance.



Color mode \*



Monochrome mode \*

### **52dB, High Picture Quality and Low Smear and Noise**

The improved DSP circuit permits more than 52dB\* Signal-to-Noise ratio with good performance of -110dB vertical pixel overload protection.  
(\*Conditions: Standard Illumination, Luminance Signal, Detail off)

### **540/570TVL, High-Resolution Pictures**

DSP-based detail correction function results in a far sharper image and better Signal-to-Noise ratio. The horizontal resolution is as high as 540TVL in the color mode and as high as 570TVL in the monochrome mode.

### **Wide Auto White Balance**

The unit is also provided with automatic tracking white balance control (ATW). Improved tracking color range can be used under different lighting conditions such as Sodium light.

### **Focus EZ Function**

Just press the button located at the back of the unit, and the auto iris lens aperture will be kept open, even in broad daylight. This ensures that an accurate focus can be set with the best depth of field.

### **Monitor Selection Switch**

This switch is to get a proper image by selecting your display device (LCD or CRT).

\* Not Actual Image.

# High Resolution True Day/Night Color Camera

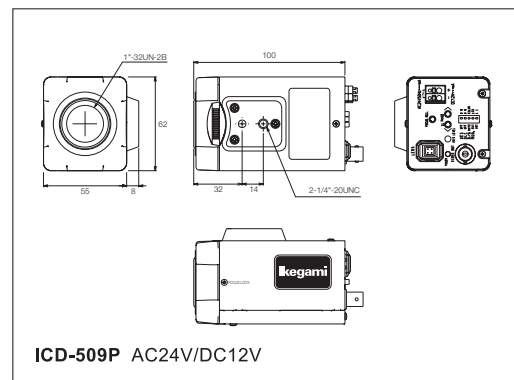
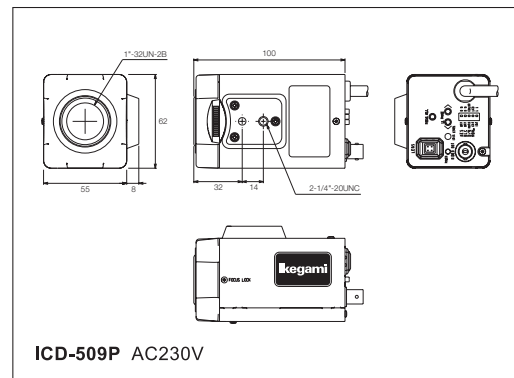
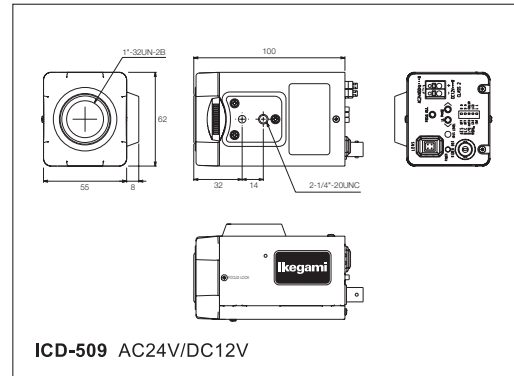
## ICD-509 [NTSC] ICD-509P [PAL]



### Specifications

|                                    |  |
|------------------------------------|--|
| Image Sensor                       | 1/3" Interline Transfer CCD  |
| Effective Pixels                   | NTSC : Approx. 380,000 pixels, Effective 768 (H) x 494 (V)<br>PAL : Approx. 440,000 pixels, Effective 752 (H) x 582 (V)  |
| Scanning System                    | NTSC : 525 lines at 59.94Hz, 2:1 interlace<br>PAL : 625 lines at 50Hz, 2:1 interlace   |
| Synchronization System             | Internal Crystal Lock/Line Lock  |
| Video Output                       | VBS 1.0Vp-p/75Ω  |
| Horizontal Resolution              | 540 TV Lines (Color Mode)<br>570 TV Lines (Monochrome Mode)  |
| S/N Ratio                          | 52dB or better (Standard Illumination, Luminance Signal, Detail off)   |
| Minimum Illumination (AGC ON)      | In color mode : (Video Output 50 IRE)<br>0.5lx/F1.4 0.37lx/F1.2<br>In monochrome mode : (Video Output 50 IRE)<br>0.1lx/F1.4 0.075lx/F1.2<br>In monochrome mode : (Video Output 25 IRE)<br>0.05lx/F1.4 0.037lx/F1.2 |
| Day/Night Function                 | Built-in   |
| AGC (Automatic Gain Control)       | Built-in   |
| White Balance                      | Automatic Tracking White Balance   |
| Detail Correction                  | Built-in   |
| BLC (Back Light Compensation)      | ON/OFF switchable  |
| AES (Automatic Electronic Shutter) | ON/OFF switchable<br>AES range: PAL: Approx. 1:2000, NTSC: Approx. 1:1600  |
| Auto Iris function                 | DC iris  |
| Focus EZ                           | Built-in   |
| Flange Back Adjustment Mechanism   | Built-in   |
| Monitor Output Selection           | CRT/LCD switchable   |
| Lens Mount                         | CS Mount (C mount adapter can be used)   |
| Power Requirement                  | NTSC : AC24V±10%/DC12V (10.5V~28V)<br>PAL : AC230V±15%, AC24V±10%/DC12V (10.5V~28V)  |
| Power Consumption                  | AC24V : 3.8W or less<br>DC12V : 3.3W or less<br>AC230V : 4.6W or less  |
| Operating Ambient Temperature      | -10°C~+50°C  |
| Operating Ambient Humidity         | 30%~90%RH (non-condensing)   |
| Camera Mount                       | 1/4" -20UNC (Bottom or Top)  |
| External Dimensions                | W62 X H55 X D100mm (without projection)  |
| Weight                             | AC24V/DC12V : Approx. 300g<br>AC230V : Approx. 680g  |

### Dimensions:mm



\* This product is made of ECO friendly components based upon the Company policy and Corporate Social Responsibility to help Global Environmental solution for energy conservation and environmental sustainability, and all the components used in this product are Non-hazardous, Toxic Free, Non-Lead materials and parts conforming with Japan's Green Product Regulation, EU's RoHS Directive, and other environmental and hazardous chemical substances related regulations and laws.



Design and specifications are subject to change without notice.

\*NTSC versions are no available with CE Mark.



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