

Ikegami

GIVING NEW VALUE TO IMAGES

**1/3" CCD High Resolution Colour/Monochrome Camera
with Day/Night Function and Ground Loop Isolation Built-in**

ICD-831P (AC230V)
ICD-831P (AC24V/DC12V)

The ICD-831P is a 1/3" 470,000 Pixel CCD Digital Signal Processing (DSP) Colour/Monochrome Camera with a high horizontal resolution. Incorporating the Digital Signal Processor (DSP) in the image processing system, the camera can reproduce steady, sharp images.

The ICD-831P also features a Day/Night function that automatically switches to colour mode during the day and to monochrome mode at night, enabling 24 hours a day observation.



High Resolution and High Quality Picture Performance

The camera delivers a high horizontal resolution of more than 540 TV lines for colour and 570 TV lines for monochrome. It also realises a high quality picture with a Signal to Noise ratio of more than 50dB. Its highly advanced CCD with 470,000 pixels delivers excellent sensitivity and extremely sharp image quality.

Day/Night Function

The camera can switch to deliver colour or black/white images according to changes in the surrounding illumination. Additionally, the IR cut filter is automatically removed when switching to night mode, providing higher sensitivity with infrared lighting under low lighting conditions.

Features

- Back Light Compensation Circuitry
- External Synchronization with Line-Lock
- Accepts 2 Types of Auto-Iris Lenses (DC/Video)
- Accepts CS/C-Mount Lens (with C-Mount Adaptor)
- Power Input (AC240V or AC24V/DC12V compatible)
- Built-in Ground Loop Isolation Transformer



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ICD-831P (AC230V)

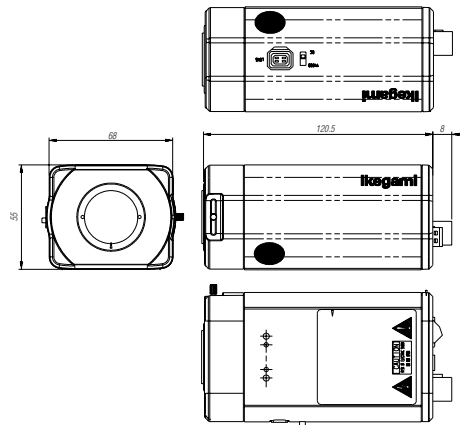
ICD-831P (AC24V/DC12V)



■ Specifications

| | |
|---|---|
| Imaging Device | 1/3 inch, Interline Transfer CCD |
| Effective Pixels | 752 (H) x 582 (V), 440,000 pixels approx. |
| Scanning System | 625 lines at 50Hz, 2:1 interlace PAL |
| Synchronization System | INTERNAL/LINELOCK |
| Video Output | VS 1.0 Vp-p/75 ohms |
| Horizontal Resolution | 540 TV lines (colour)/570 TV lines (mono) |
| S/N Ratio | more than 50 dB (AGC OFF, DETAIL OFF, weight ON) |
| Minimum Illumination | 0.3lux at F1.2 (colour) 0.06lux at F1.2 (mono) (Light source: Halogen lamp, Colour temperature: 2856K) |
| Day/Night Function | AUTO/EXT |
| BLC (Backlight Compensation) | ON |
| AES Function | ON/OFF switchable AES range: 1:2000 |
| AGC (Automatic Gain Control) | ON |
| White Balance | ATW/Manual |
| Auto Iris Function | Video Iris/DC Iris selectable (DC iris level is adjustable) |
| Lens Mount | CS mount (C mount adaptor can be used) |
| Flange Back Adjustment Mechanism | Built in |
| Power Requirement | ICD-831P/ACDC: AC 24V ±10% (PAL: 50Hz ±0.1Hz), DC12V +10% to -5% ICD-831P/AC: AC220V to AC240V (50Hz ±0.1Hz) |
| Power Consumption | ICD-831P/ACDC: 3W approx. ICD-831P/AC: 4W approx. |
| Operating Ambient Temperature | -10°C to +50°C |
| Camera Mount | 1/4"-20UNC |
| Dimensions | W68 x H55 x D128.5mm |
| Weight | ICD-831P/ACDC: 450g approx. ICD-831P/AC: 550g approx. |
| Input/Output Connectors | VIDEO OUT: BNC LENS: 4P (applicable connector E4-191J-150 or equivalent) AC24V/DC12V Input: 2P (push in terminal) |
| Accessories | Operation Manual C Mount Adaptor Auto Iris Connector (E4-191J-150 or equivalent) |

■ Dimensions: mm



■ Rear Panel Design



ICD-831P (AC230V)



ICD-831P (AC24V/DC12V)

Design and specifications are subject to change without notice.

