

# Ikegami

High Performance  
1/3" Digital Processing CCD Color Camera

## ICD-808<sub>[NTSC]</sub> / 808P<sub>[PAL]</sub>

1/2" Digital Processing CCD Color Camera

## ICD-828<sub>[NTSC]</sub> / 828P<sub>[PAL]</sub>



The ICD-808<sub>[NTSC]</sub>/808P<sub>[PAL]</sub>(1/3" CCD) and ICD-828<sub>[NTSC]</sub>/828P<sub>[PAL]</sub> (1/2" CCD) feature a high-sensitivity CCD imaging sensor with about 380,000 pixels (NTSC) or about 440,000 pixels (PAL), delivering reduced smear, enhanced sensitivity, and high image quality. The camera helps achieve surveillance under various conditions, such as indoor and traffic monitoring, at a high level of sophistication.



■ Conventional Models



■ ICD-808/808P • ICD-828/828P

### Low Smear and High Sensitivity

The ICD-808/808P(1/3" CCD) and ICD-828/828P(1/2" CCD) employ a high-sensitivity on-chip lens CCD. The smear level is -110dB for the IDC-808/808P, and -126dB for the ICD-828/828P. They also achieve a high sensitivity with a minimum subject illumination of 0.5 lx/F1.4 for the ICD-808/808P, and 0.15 lx/F1.4 for the ICD-828/828P. These cameras are ideally suited for outdoor surveillance, such as traffic monitoring.



■ Spot BLC OFF



■ Spot BLC ON

### Spot Backlight Compensation

The camera is capable of specifying only a backlight area displayed on the screen and reproducing the backlight scene as an optimal image. Even when, for example, a car's number plate or a person is captured in a backlight situation, its image can be reproduced crisply.

### Auto White Balance

In addition to Auto White Balance (ATW1) of auto-tracking type, the camera also features ATW2 that is compatible with sodium-vapor lamps used for lighting on highways and other purposes. Thus, it can capture optimal video under various conditions, both indoors and outdoors.

### AES (Automatic Electronic Shutter)

The camera boasts AES capability with a sensitivity ratio of about 1:1600 (NTSC) or 1:2000 (PAL). Even with a fixed-aperture lens, the sensitivity can be adjusted appropriately according to changes in illumination of the surveillance area.

### High Picture Quality

It delivers 480 lines of horizontal resolution. Incorporating state-of-the-art digital process circuitry, the camera can reproduce a rock-solid, sharp image.

\* This feature cannot be used in geographical regions where the line frequency and the camera's vertical frequency are different from each other.

\* These photographs for an image example may differ from actual pictures on Monitor.

# Digital Processing CCD Color Camera

## ICD-808<sub>[NTSC]</sub>/808P<sub>[PAL]</sub>

## ICD-828<sub>[NTSC]</sub>/828P<sub>[PAL]</sub>



### Remote Setup

The pushbutton located on the rear of the camera allows various setups to be customized. With the aid of the RCU-701 Remote Control Unit or RSU-871 (RS-232 control), you can set up the camera installed on the top of the building or at any elevated place by use of the same cable as the video coaxial.

#### ● Setup Function

Local Setup(Using 5 buttons and set on OSD(On Screen Display)  
Camera ID, AES/Electronic Shutter, BLC ON OFF SPOT Level  
Adjust, GENLOCK Phase Adjust, DC Iris Level, INT/LL, Detail Level,  
AGC ON/OFF, White Balance, CROMA Level, PED. Level, HUE,  
Operation Lock

#### ● Remote Setup Function

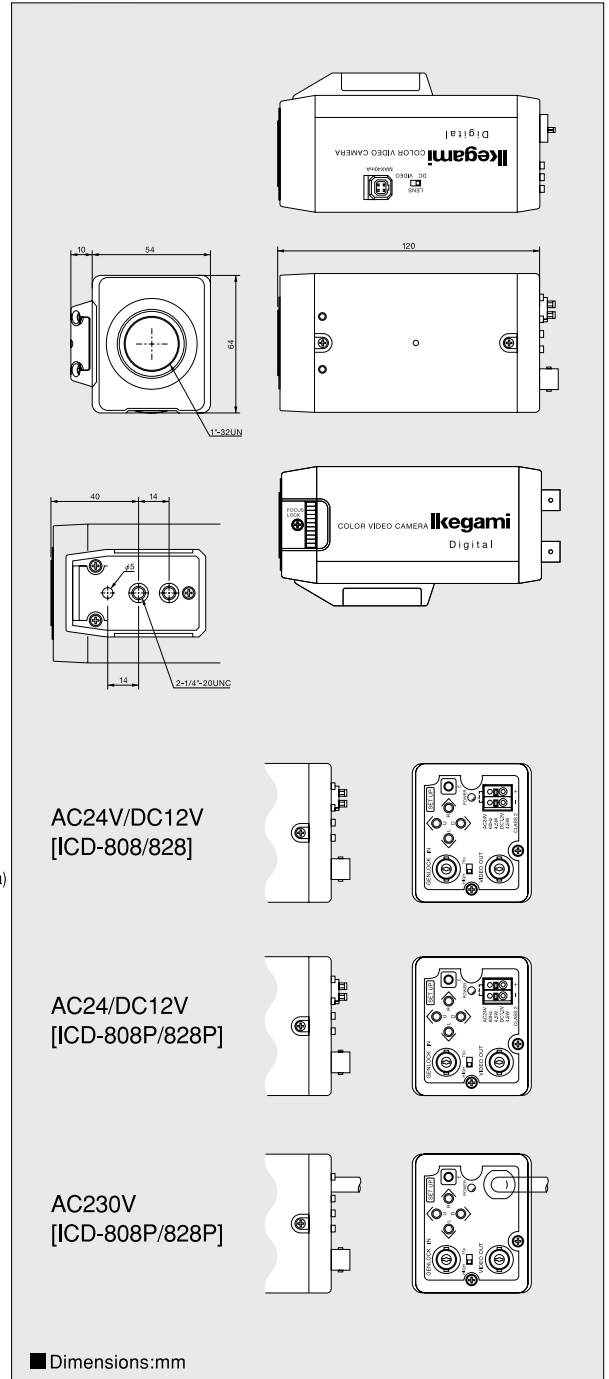
With Using RCU-701 or RSU-871(Multiplex transmission system),  
All Local Setup Functions are available.



RCU-701

### [ Specifications ]

|                              |   |
|------------------------------|---|
| Pickup Device                | 1/3" Interline Transfer CCD [ICD-808/808P]<br>1/2" Interline Transfer CCD [ICD-828/828P]  |
| Picture Elements             | NTSC:768(H)×494(V), 380,000 pixels approx.<br>PAL :752(H)×582(V), 440,000 pixels approx.  |
| Sync System                  | Internal:Crystal lock or Line-Lock(AC type)<br>External:GENLOCK   |
| GENLOCK Input                | VBS or VS 1.0Vp-p/75 Ω (High impedance Switchable)<br>BBS0.45Vp-p/75 Ω (High impedance Switchable)  |
| Video Output                 | VBS 1.0Vp-p/75 Ω  |
| Horizontal Resolution        | 480TV Line  |
| S/N Ratio                    | 50dB(p-p/rms) or more [ICD-808/808P]<br>52dB(p-p/rms) or more [ICD-828/828P]<br>(Under luminance, Standard Illumination, Detail off, Weight on) |
| Minimum Illumination         | 0.5 lx/F1.4(AGC ON)[ICD-808/808P]<br>0.15 lx/F1.4(AGC ON)[ICD-808/808P]   |
| AGC                          | ON(AGC, Hyper AGC)/OFF(LOW, MID, HIGH)Switchable  |
| White Balance                | ATW/ATW2/AWC/MAN. Selectable, Adjustable  |
| Detail Compression           | Built in(Level Adjustable)  |
| Back Light compensation      | ON/OFF/SPOT Switchable  |
| Automatic Electronic Shutter | ON/OFF Switchable AES Range NTSC:1:1600<br>PAL :1:2000<br>(Unable to work when power frequency does not meet vertical frequency of the camera)  |
| Electronic Shutter           | OFF, 1/100(1/60:PAL), 1/125, 1/500, 1/1,000, 1/2,000, 1/4,000,<br>1/10,000 ,VARIABLE<br>VARIABLE:1/60(1/50:PAL)~1/100,000                       |
| Auto Iris Function           | Video Iris/DC Iris Switchable   |
| Camera ID                    | Built in 1 line, 16 characters  |
| Lens Mount                   | CS Mount(C mount Adaptor can be used)   |
| Flange Back                  | Built in(Adjustment Mechanism)  |
| Power Requirement            | AC24V±10% 60Hz/DC12V(10.5V~28V) (NTSC)<br>AC230±15% 50Hz (PAL)<br>AC24±10% 50Hz/DC12V(10.5V~28V) (PAL)  |
| Power Consumption            | Less than 4.5W  |
| Ambient Temperature          | -10°C~+50°C   |
| Camera Mount                 | 1/4"-20UNC(Upper bottom select)   |
| Dimensions                   | W64×H54×D120mm  |
| Weight                       | AC24V/DC12V: ICD-808/808P 560g Approx.<br>ICD-828/828P 570g Approx.<br>AC230V: ICD-880/808P 660g Approx.<br>ICD-828/828P 670g Approx.           |
| Input/Output Connector       | VBS Output:BNC<br>GENLOCK Input:BNC<br>LENS:4P(E4-191J-100)<br>AC24V/DC12V Input:2P push in terminal  |
| Accessories                  | Operation Manual<br>C Mount Adaptor<br>Auto Iris Connector<br>(E4-191J-100 or Equivalent)   |



Design and specifications are subject to change without notice.

\*NTSC versions are no available with CE Mark.



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