

# Ikegami

High Performance

1/3" Digital Processing CCD Color Camera

## ICD-808 [NTSC] / 808P [PAL]

1/2" Digital Processing CCD Color Camera

## ICD-828 [NTSC] / 828P [PAL]

The ICD-808 [NTSC]/808P [PAL] (1/3" CCD) and ICD-828 [NTSC]/828P [PAL] (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 ICD-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.

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

### 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.

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

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## 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 5buttons 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

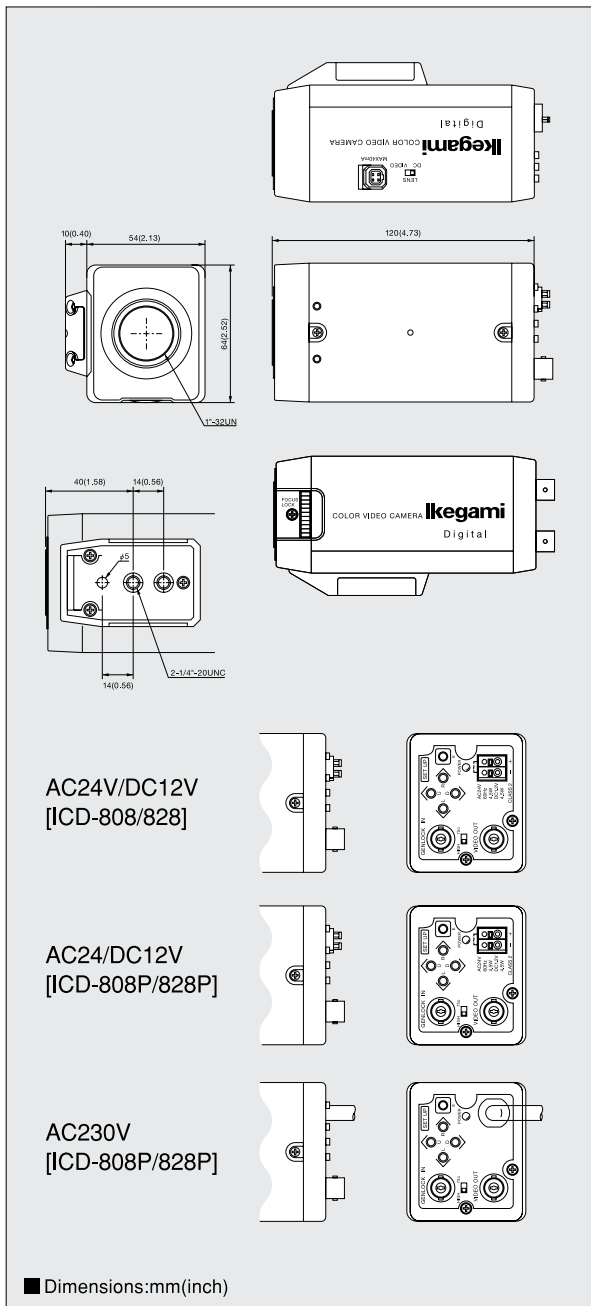
With Using RCU-701 or RSU-871(Multiplex transmission system),  
All Local Setup Functions are available.



RCU-701

### [ Specifications ]

Pickup Device	1/3" Interline Transfer CCD [ICD-808/808P] 1/2" Interline Transfer CCD [ICD-828/828P]
Picture Elements	NTSC:768(H)×494(V), 380,000 pixels approx. PAL :752(H)×582(V), 440,000 pixels approx.
Sync System	Internal:Crystal lock or Line-Lock(AC type) External:GENLOCK
GENLOCK Input	VBS or VS 1.0Vp-p/75Ω (High impedance Switchable) BBS0.45Vp-p/75Ω (High impedance Switchable)
Video Output	VBS 1.0Vp-p/75Ω
Horizontal Resolution	480TV Line
S/N Ratio	50dB(p-p/rms) or more[ICD-808/808P] 52dB(p-p/rms) or more[ICD-828/828P] (Under luminance, Standard Illumination, Detail off, Weight on)
Minimum Illumination	0.5 lx/F1.4(AGC ON)[ICD-808/808P] 0.15 lx/F1.4(AGC ON)[ICD-828/828P]
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 PAL :1:2000 (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, 1/10,000 ,VARIABLE 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) AC230±15% 50Hz (PAL) AC24±10% 50Hz/DC12V(10.5V~28V) (PAL)
Power Consumption	Less than 4.5W
Ambient Temperature	-10°C~+50°C(13.5°F~F122°F)
Camera Mount	1/4"-20UNC(Upper bottom select)
Dimensions	W64×H54×D120mm(W13.6×H2.13×D4.73 inches)
Weight	AC24V/DC12V: ICD-808/808P 560g Approx.(1.24 lbs) ICD-828/828P 570g Approx.(1.26 lbs) AC230V: ICD-880/808P 660g Approx.(1.46 lbs) ICD-828/828P 670g Approx.(1.48 lbs)
Input/Output Connector	VBS Output:BNC GENLOCK Input:BNC LENS:4P(E4-191J-100) AC24V/DC12V Input:2P push in terminal
Accessories	Operation Manual C Mount Adaptor Auto Iris Connector (E4-191J-100 or Equivalent)



Design and specifications are subject to change without notice.

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**Ikegami** IKEGAMI ELECTRONICS (U.S.A.), INC. ■URL <http://www.ikegami.com>

<b>HEADQUARTERS</b>	37 BROOK AVENUE, MAYWOOD, NJ 07607 Phone:(201) 368-9171 Fax:(201) 569-1626
<b>WESTCOAST OFFICE</b>	20603 EARL STREET, TORRANCE, CA 90503 Phone:(310) 370-2400 Fax:(310) 370-7131
<b>SOUTHWEST OFFICE</b>	526 BLUEBIRD LANE, RED OAK, TX 75154 Phone:(972) 869-2363 Fax:(972) 556-1057
<b>MIDWEST OFFICE</b>	747 CHURCH ROAD, UNITS C4 ELMHURST, IL 60126 Phone:(630) 834-9774 Fax:(630) 834-8689
<b>SOUTHEAST OFFICE</b>	5200 N.W. 33RD AVENUE, SUITE 111 FORT LAUDERDALE, FL 33309 Phone:(954) 735-2203 Fax:(954) 735-2227