

# ICD-848

1/2" ULTRA LOW LIGHT (DAY/NIGHT)  
& HIGH IR SENSITIVITY  
DSP COLOR AND B/W CAMERA

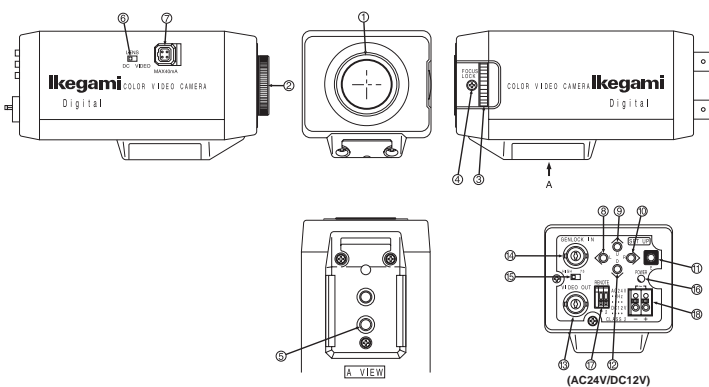


## Features

- Day/Night selecting function
- Digital processing
- High-quality picture and high resolution
- Backlight compensation
- 2-way automatic iris controlling function
- Automatic white balance
- AES (Automatic Electronic Shutter)
- Flange focal distance adjusting mechanism
- OSD (On Screen Display Menu)

## Parts and Functions

- ① Lens mount (CS mount)
- ② C mount adapter (Accessory)
- ③ Flange focal distance adjuster
- ④ Flange focal distance lock screw
- ⑤ Holder screw hole
- ⑥ Lens selector switch
- ⑦ Auto iris lens connector
- ⑧ ~ ⑫ Camera setting function switches
- ⑬ Video output connector
- ⑭ External sync signal input terminal
- ⑮ External sync signal 75-ohm termination switch
- ⑯ Power indicator
- ⑰ Remote terminal
- ⑱ AC24V/DC12V power input terminal



## Optional

### Remote Control Unit RCU-701:

Multiple transmission type remote set-up unit using camera's video output cable. Many settings and functions can be remote-controlled by this unit.



## Specifications

|   |   |
|---|---|
| <b>Imaging Device:</b>                            | 1/2" Interline Transfer CCD<br>Effective pixels: 768 (H) x 494 (V), about 380,000 pixels<br>Color filter: Color difference line sequential system   |
| <b>Scanning System:</b>                           | 2:1 interlace, as per NTSC system   |
| <b>Vertical Sync Frequency:</b>                   | 59.94 Hz<br>(Corresponding to power frequency for line lock)  |
| <b>Horizontal Frequency:</b>                      | 15.734 kHz<br>(Varies with power frequency for line lock; SC not synchronized)  |
| <b>Synchronizing System:</b>                      | Internal sync: Crystal lock or line lock (on AC type only)<br>External sync: GENLOCK (Automatic selection)  |
| <b>GENLOCK Input:</b>                             | VBS or VS; 1.0 Vp-p/75 Ω (High impedance selectable)<br>BBS; 0.45 Vp-p/75 Ω (High impedance selectable)   |
| <b>Video Output:</b>                              | VBS; 1.0 Vp-p/75 Ω  |
| <b>Horizontal Resolution:</b>                     | 480 lines   |
| <b>S/N Ratio:</b>                                 | 52 dB (p-p/rms) or more<br>(Luminance signal, standard illumination, DETAIL correction OFF, weighting circuit ON)   |
| <b>Minimum Illumination:</b>                      | In COLOR mode: 0.15 lux/F1.4 (AGC ON)<br>In B/W mode: 0.015 lux/F1.4 (AGC ON)   |
| <b>AGC:</b>                                       | ON (AGC, HYPER-AGC)/OFF (LOW, MID, HIGH) selectable   |
| <b>White Balance:</b>                             | ATW/AWC/MANUAL selectable and adjustable  |
| <b>DETAIL Correction:</b>                         | Provided (Detail level adjustable)  |
| <b>Backlight Compensation:</b>                    | ON/OFF/SPOT selectable, compensation level adjustable (BLC)   |
| <b>AES:</b>                                       | ON/OFF selectable   |
| <b>(Automatic Electronic Shutter)</b>             | AES range: About 1:1600 (Inoperable in a region where the power frequency and the camera's vertical sync frequency are different from each other.)  |
| <b>Electronic Shutter:</b>                        | OFF, 1/100, 1/125, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000, VARIABLE (Selectable among 1/60-1/100000)   |
| <b>Auto Iris Function:</b>                        | VIDEO iris/DC iris selectable (Changeover type)<br>Provided (One line, 16 characters)   |
| <b>Camera ID Function:</b>                        | Selectable and adjustable with on-screen display using 5 control buttons; Camera ID, DAY/NIGHT mode and level selection, AES/electronic shutter, BLC ON/OFF/SPOT selection and level adjustment, DC iris level, INT/LL, external sync frequency phase adjustment, DETAIL level, AGC ON/OFF, ATW/AWC/MANU selection and adjustment, CHROMA level, PED. level, menu lock selectable |
| <b>Local Setting Functions:</b>                   |   |
| <b>Remote Setting Functions:</b>                  | Possible (Multiplex video communication system with RCU-701)<br>Same presettable items as with the local setting functions  |
| <b>Lens Mount:</b>                                | CS mount (C mount adapter attachable)   |
| <b>Flange Focal Distance Adjusting Mechanism:</b> | Provided  |
| <b>Power Supply:</b>                              | AC24V ± 10%, 60 Hz/DC12V (10.5-28V)   |
| <b>Power Consumption:</b>                         | Approx. 5W  |
| <b>Working Ambient:</b>                           | -10 to +50°C/30-85% RH (No dew condensation)<br>temperature/humidity  |
| <b>Camera Mount:</b>                              | 1/4"-20UNC (Also mountable on top)  |
| <b>External Dimensions:</b>                       | 2.52" x 2.13" x 4.72"<br>64 x 54 x 120 mm<br>(No projections and accessories included)  |
| <b>Weight:</b>                                    | Approx. 580g  |
| <b>Input/Output Connectors:</b>                   | • VBS output BNC<br>• GENLOCK input BNC<br>• Lens 4-pin (Applicable plug: E4-191J-100)<br>• DAY/NIGHT changeover input 2-pin push-in terminal<br>• AC 24V/DC 12V input 2-pin push-in terminal   |
| <b>Accessories:</b>                               | • Instruction manual 1<br>• C mount adapter (CMA-40) 1<br>• Auto iris lens connector plug 1 (E4-191J-100 or equivalent)   |