

# ICD-508

**HIGH PERFORMANCE AFFORDABLE  
DAY/NIGHT DSP COLOR CAMERA**

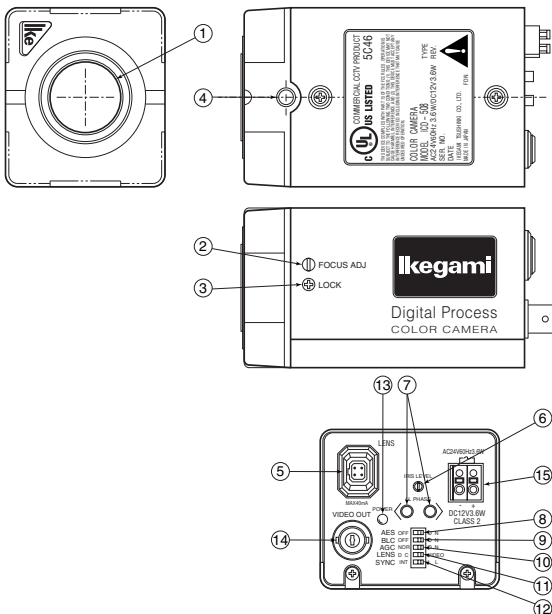


## Features

- Digital processing
- High-quality picture and high resolution
- High-sensitivity design (Day/Night Mode-ACK On)
- Backlight compensation
- 2-way automatic iris controlling function
- Automatic white balance
- AES (Automatic Electronic Shutter)
- Flange focal distance adjusting mechanism

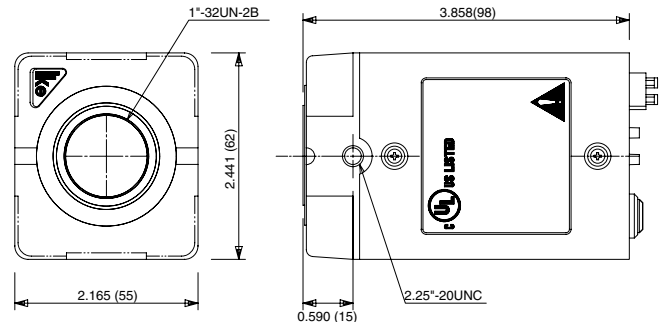
## Parts and Functions

- ① Lens Mount (CS mount)
- ② Flange focal distance adjuster
- ③ Flange focal distance lock screw
- ④ Holder mounting screw holes
- ⑤ Auto iris lens connector
- ⑥ Iris level control (IRIS LEVEL)
- ⑦ Line lock phase control (LL PHASE)
- ⑧ AES selector switch (AES)
- ⑨ Backlight compensation selector switch (BLC)
- ⑩ Day/Night (ACK) selector switch
- ⑪ Lens selector switch (LENS)
- ⑫ Sync system selector switch (SYNC)
- ⑬ Power indicator (POWER)
- ⑭ Video output connector (VIDEO OUT)
- ⑮ AC24V/DC12V power input terminal



## Specifications

<b>Imaging Device:</b>	1/3" Interline Transfer CCD
<b>No. of Effective Picture Elements:</b>	Approx. 380,000 pixels, 768 (H) and 494 (V) lines Color filter: Color difference line sequential system 4.8 (H) x 3.6 (V) mm
<b>Sensing Area:</b>	520 lines
<b>Horizontal Resolution:</b>	ACK Off (Color) — F1.2: 0.35 lux (30 IRE), 0.7 lux (50 IRE) F1.0: 0.25 lux (30 IRE), 0.5 lux (50 IRE) ACK On (Monochrome) — F1.2: 0.15 lux (30 IRE), 0.3 lux (50 IRE) F1.0: 0.10 lux (30 IRE), 0.2 lux (50 IRE)
<b>Minimum Illumination:</b>	48 dB/rms or better (at rated illumination)
<b>S/N Ratio:</b>	2:1 interlace, as per NTSC system
<b>TV System:</b>	Internal sync: Crystal lock or Line lock (phase adjustable)
<b>Sync System:</b>	
<b>Vertical Sync Frequency:</b>	Int: 59.94Hz Line lock: 60Hz
<b>Horizontal Sync Frequency:</b>	Int: 15.734KHz Line lock: 15.750KHz (Varies with power frequency for line lock SC not synchronized)
<b>Video Output:</b>	VBS 1.0Vp-p/75 Ω
<b>White Balance:</b>	TTL method, ATW
<b>Backlight Compensation (BLC):</b>	On/Off, switchable
<b>AES:</b>	On/Off, switchable, AES range 1 : 1600
<b>ACK:</b>	On/Off, switchable
<b>Auto Iris Function:</b>	Video iris/DC iris, switchable (DC iris level adjustable)
<b>Flange Focal Distance Adjustment Function:</b>	Provided
<b>Lens Mount:</b>	CS mount
<b>Camera Mount:</b>	1/4"-20UNC (top and bottom mounting)
<b>Ambient Operating Temperature:</b>	-10 to +50°C
<b>Power Supply:</b>	AC24V ± 10%, 60Hz / DC12V (10.5-15.0 V)
<b>Power Consumption:</b>	Approx. 3.6W
<b>Input/output Connectors:</b>	(1) Video output; BNC (2) AC24V/DC12V input; 2-pin terminal block (3) Lens; 4-pin (applicable plug, E4-191J-150 or equivalent option)
<b>Outer Dimensions (WxHxD):</b>	2.44" x 2.17" x 3.86" (62 x 55 x 98 mm) (projections and accessories not included)



<b>Weight:</b>	Approx. 370g (13.1 oz)
<b>Accessories:</b>	Operation manual: 1 copy
<b>Optional:</b>	Lens connector plug E4-191J 150 or equivalent: 1pc.