

1/3" OCML CCD

# ICD-703 Series

Digital Processing Color Video Camera



- **1/3" OCML CCD with 380,000 pixels deliver a horizontal resolution of 480 TV lines at minimum object illumination 2 Lux /F1.4.**
- **AESC function, with a sensitivity ratio of 1:1300 (1/80,000 sec.), provides stable video output even with fixed-iris lens, equivalent to F1.4-F50 auto iris.**
- **BLC (Back-light Compensation) capability.**
- **Internal/Genlock/Line Lock with phase Adjustment.**
- **2 way auto iris (Video/DC) function.**
- **Auto White Balance ATW/AWC and Manual White Balance.**
- **Camera ID capability on camera screen.**
- **Y/C video output, in addition to Composite video output.**

The ICD-703 Series is a digital processing color video camera employing a performance on-chip microlens (OCML) CCD with 380,000 pixels, delivering high resolution, sensitivity and S/N ratio. DSP (Digital Signal Processor)-based digital circuitry ensures high levels of stability and top quality pictures to meet various user application needs.

A host of features such as BLC, AESC and camera ID are built into its compact body. With the aid of the RCU-701 remote set-up unit (Option), various camera functions can be set up easily and quickly, even for cameras that are installed at elevated or inaccessible places.

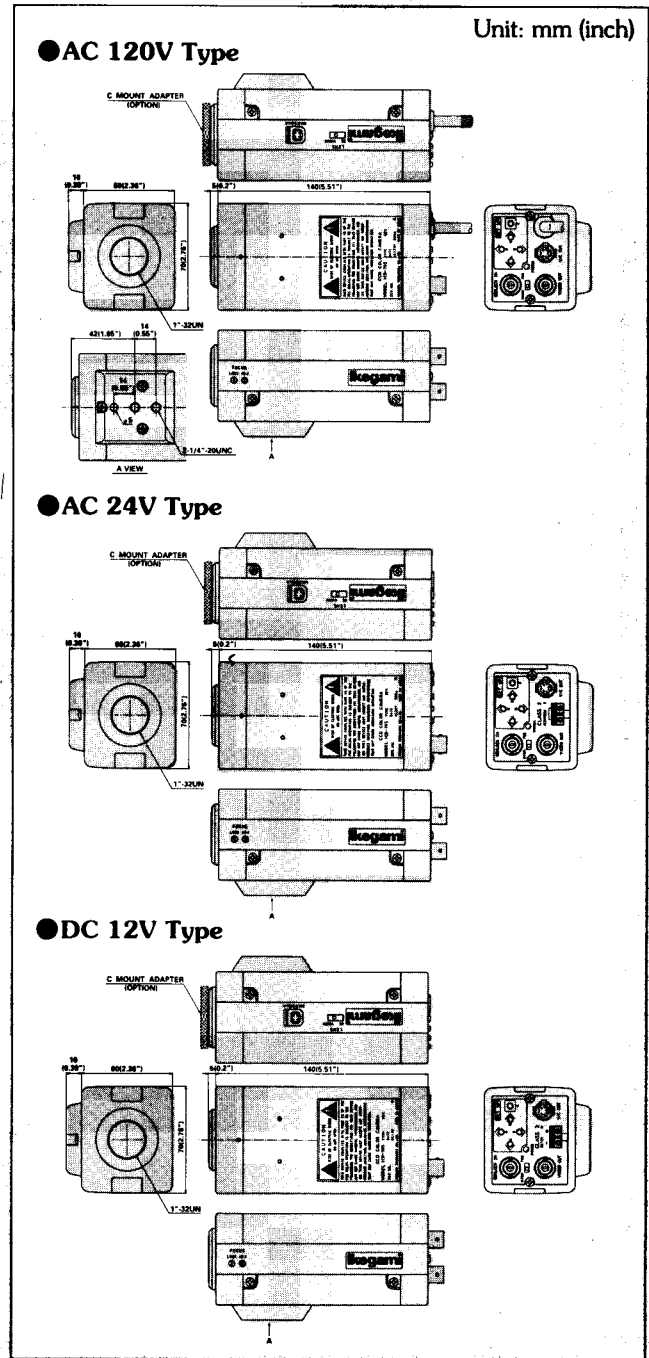
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## Specifications

Pickup Device	1/3" Interline Transfer CCD
Picture Element	771(H) × 492(V), approx. 380,000 pixels
Scanning System	525 lines/59.94Hz, 2:1 Interlaced
Scanning Frequency	H: 15.734kHz, V: 59.94Hz
(With Linelock)	(15.75kHz) (60Hz)
Genlock Input	VBS or VS 1.0Vp-p/75Ω (High Impedance) BBS 0.45Vp-p/75Ω(High Impedance)
Video Output	A) Composite VBS 1.0Vp-p/75Ω B) Separate Y/C Output Y(VS): 1.0Vp-p/75Ω C: 0.286Vp-p/75Ω
Horizontal Resolution	480TV Lines
S/N Ratio	50dB(p-p/rms)
Minimum Illumination	2 Lux/F1.4(AGC ON)
White Balance Circuit	ATW/AWC/MANUAL switchable
Shutter	Auto(AESC): 1,300(1/60~1/80,000sec.) MANUAL: 1/60, 1/100, 1/125, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000
Backlight	Built in(ON/OFF switchable)
Compensation	
Camera ID	Built in(Alphabet/Number/Mark)
Auto-Iris Circuit	Video Iris & DC Iris switchable
AGC	ON/OFF switchable
User Set-Up Switch	· Camera ID · AESC/Shutter · BLC · White Balance · Sync.System · Phase Adjustment · Gain Control · Chroma Level · Detail Correction · Pedestal · Operation Lock
Power Requirement	AC120V ± 10%, 60Hz AC24V ± 10%, 60Hz DC12V ± 10% (10.5V~15V)
Power Consumption	Approx. 5W
Ambient Temperature	-10°C ~ +50°C (14°F ~ 122°F)
Camera Mount	1/4" -20UNC (Upper/Bottom selectable)
Dimensions (WHD)	W70 × H60 × D140mm (2.76 × 2.36 × 5.51 inches)
Weight	Approx. 1.1kg (2.89 lbs)
Option	RCU-701 Remote Control Unit

## Dimensions



Design and specifications are subject to change without notice.

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