

1/2" OCML CCD

ICD-803/803P

[NTSC]

[PAL]

**Digital Processing Low Light Color Camera**

The ICD-803(NTSC)/803P(PAL) is a 1/2" single-chip CCD with 380,000 pixels(NTSC) and 410,000 pixels (PAL). It also employs AES(Automatic Electronic Shutter) and Auto Iris function, and provides high-resolution, high-sensitivity, highquality pictures.

■ Digital Process

A DSP(Digital Signal Processing) for internal RGB is used to process video signals for crisp and consistent pictures.

■ High Quality Picture and High Resolution

Smear level -120dB, low noise circuit design, and appropriate detail compensation reproduce clear color images.

■ High Sensitivity Circuit Design

Employing a high-sensitivity 1/2" On-Chip-Micro Lens(OCML) CCD and digital signal processing, the camera delivers high sensitivity with a minimum illumination of 0.5 lx/f1.4.

■ Back Light Compensation

In conjunction with the auto-iris lens and AES, the BLC function enables effective Back Light Compensation.

■ Two Way Auto-iris Lens

The camera can support two types of auto-iris lenses, video iris lens with DC ins lens and most CCTV lenses can be used.

■ Auto White Balance

Auto White Balance(ATW1) of automatic tracking type is employed. Appropriate correction can be achieved to compensate for changes in color temperature of the object. Further more, ATW2 is also available to accommodate sodium light sources.

■ AES(Automatic Electronic Shutter)

The camera incorporates the AES function with a sensitivity ratio of 1: 1300(NTSC), 1:1600(PAL). Sensitivity is adjusted automatically according to variations in illumination in a surveillance area. Images equivalent to those achieved with the auto iris lens(f1.4 to f50) can be attained even with fixed-iris lens.

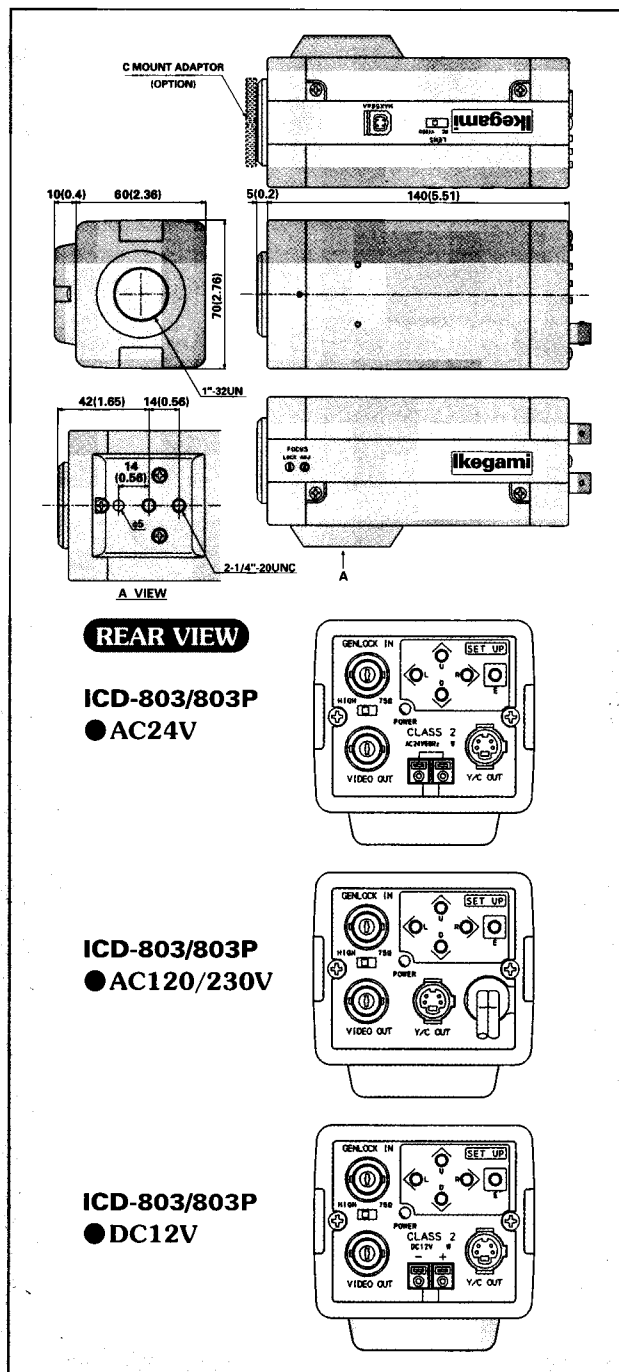
ICD-803_[NTSC]/803P_[PAL] 1/2" OCML CCD Digital Processing Low Light Color Camera

Specifications

Pickup Device	1/2" Interline Transfer CCD
Picture Element	NTSC: 768(H)×492(V), approx. 380,000 pixels PAL: 752(H)×582(V), approx. 410,000 pixels
Sync system	Internal Sync: Crystal lock or Line-Lock (AC type only) External Sync: GENLOCK
GENLOCK Input	VBS or VS 1.0Vp-p/75 Ω (High impedance) BBS 0.45Vp-p/75 Ω (High impedance)
Video Output	Composite VBS: 1.0Vp-p/75 Ω Separate Y/C Y:(VS) 1.0Vp-p/75 Ω C: 0.286Vp-p/75 Ω
Horizontal Resolution	480 TV Line
S/N Ratio	52dB (p-p/rms) (Under Luminance, Standard illumination, Detail off, Weight on)
Minimum Illumination	0.5 lx / f1.4 (AGC ON)
AGC	ON/OFF Switchable
Auto White Balance	ATW1/ATW2/AWC/Manual Selectable, Adjustable
Detail Compensation	Detail Level Adjustable
Back Light Compensation	ON/OFF Switchable
AES	ON/OFF Switchable AES Range NTSC 1:1300, PAL 1:1600 (Unable to work when power frequency does not meet vertical frequency of the camera)
Electronic Shutter	OFF, FL, 1/125, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000
Auto Iris Function	Video Iris/DC Iris switchable
Camera ID	1 line, 16 characters
Local Setup Function	Using 5 buttons and set on OSD (On Screen Display) Camera ID, INT/LL, AES/Electronic shutter, Detail Level, Select & Adjust, AGC ON/OFF, ATW1/ATW2/AWC/MAN Adjust Chroma Level, Pedestal Level and Hue Level, Operation Lock
Remote Setup	With using RCU-701 (Multiplex Transmission Function System), All Local Setup Functions are available.
Lens Mount	CS Mount (C mount adapter can be used)
Flange Back	Built-in
Power Requirement	AC120V ± 10%, 60Hz (NTSC) AC24V ± 10%, 60Hz (NTSC) DC12V (10.5V ~ 15V) (NTSC) AC230V ± 15%, 50Hz (PAL) AC24V ± 10%, 50Hz (PAL) DC12V (10.5V ~ 15V) (PAL)
Power Consumption	Less than 4.5W
Ambient Temperature	-10°C ~ +50°C (13.5°F ~ 122°F)
Dimensions	W70×H60×D140mm (W2.76×H2.36×D5.51inch)
Weight	Less than 1100g (2.42lbs.)
Camera Mount	1/4"-20UNC (Upper/Bottom Selectable)
Input/Output Connector	VBS Output: BNC GENLOCK Input: BNC Auto Iris Lens: 4P (D4-151N-100 or equivalent) AC24V/DC12V Input: 2P Push in terminal
Accessories	Operation Manual C-Mount adaptor Auto Iris Connector (E4-191J-100 or equivalent)

Dimensions

Unit: mm (inch)



Design and specifications are subject to change without notice.

Safety agency approval: Underwriters Laboratories Inc.®

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