

1/3"OCML CCD

ICD-703W/703WP

[NTSC] [PAL]

■ ■ ■ Wide Dynamic Range Digital Processing Color CCD Camera



The ICD-703W(NTSC)/703WP(PAL) is a digital processing color CCD camera employing high-sensitivity 1/3" On-Chip Micro Lens(OCML) CCD with 380,000 pixels(NTSC) and 410,000 pixels(PAL). Automatic Electronic Shutter (AES) and Auto Iris function delivers high-resolution, high-sensitivity, high-quality pictures. Wide dynamic range circuit and DSP facilitate optimum back-light compensation.

■ Wide Dynamic Range

Over ten times dynamic range compensates a scene where conventional BLC(Back Light Compensation) is unable to compensate saturation, low pedestal level, and large difference of lighting.

■ Digital Processing

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

■ High Resolution

Over 480 TVL horizontal resolution and appropriate detail compensation function provides crisp, sharp images.

■ High Sensitivity

Employing a high-sensitivity 1/3" On-Chip Micro Lens (OCML) CCD and digital signal processing, the camera delivers high sensitivity with a minimum illuminations 2 lx /f1.4.

■ Auto White Balance

Auto White Balance (ATW1) of automatic tracking type is employed. Appropriate correction can always be achieved to compensate for changes in color temperature of the object. In addition, ATW2 is also available to accommodate sodium light sources. Furthermore, AWC for one-push adjustment, as well as manual adjustment, is also provided.

ICD-703W_[NTSC]/703WP_[PAL]

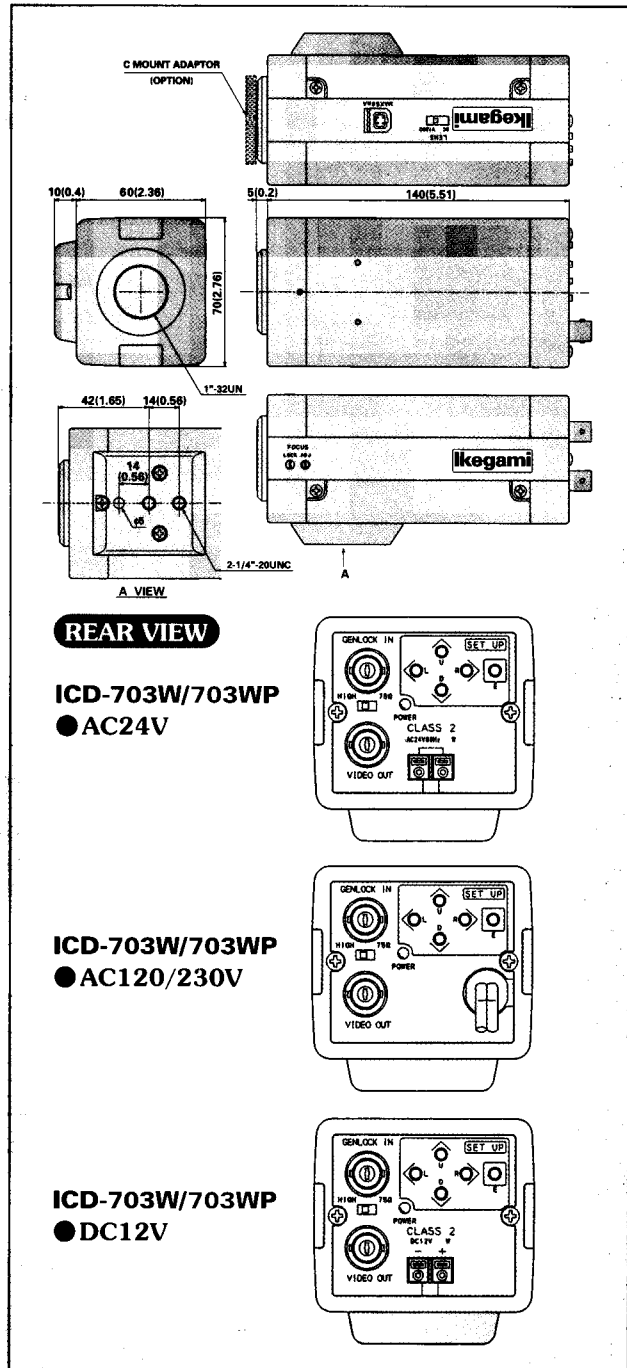
1/3" OCML CCD
Wide Dynamic Range
Digital Processing Color CCD Camera

Specifications

Pickup Device	1/3" 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:Crystal lock or Line Lock (AC type) External Sync: GENLOCK
GENLOCK Input	VBS or VS 1.0Vp-p/75 Ω (High impedance) BBS 0.45p-p/75 Ω (High impedance)
Video Output	VBS 1.0Vp-p/75 Ω
Horizontal Resolution	480 TV Lines
S/N Ratio	50dB (p-p/rms) (Under Luminance, Standard Illumination, Detail off, Weight on)
Wide Dynamic Range	ON/OFF Switchable (Dynamic Range Maximum ×10)
Minimum Illumination	2 lx /f1.4
AGC	ON/OFF Switchable
Auto White Balance	ATW1/ATW2/AWC/Manual Selectable, Adjustable
Detail Compensation	Built in 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 (FL flicker less NTSC:1/100sec, PAL:1/60 sec)
Auto Iris Function	Video Iris/DC Iris Lens 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/Shutter, Wide Dynamic Range ON/OFF, Detail Correction, AGC ON/OFF, White Balance, Gain Control, Chroma Level, HUE, Pedestal, Operation Lock
Remote Setup	With using RCU-701(Multiplex Transmission Function System), All Local Setup Functions are available.
Flangeback Adjustment	Built-in
Power Requirement	AC120V ± 10%, 60Hz (NTSC) AC24V ± 10%, 60Hz (NTSC) DC12V(10.5 ~ 15V) (NTSC) AC230V ± 20%, 50Hz (PAL) AC24V ± 10%, 50Hz (PAL) DC12V(10.5 ~ 15V) (PAL)
Power Consumption	Less than 5W
Dimensions	W70 × H60 × D140mm (W2.76 × H2.36 × D5.51inch)
Ambient Temperature	-10°C ~ +50°C (13.5°F ~ 122°F)
Weight	less than 1100g(2.42lbs.)
Camera Mount	1/4" -20UNC(Upper/Bottom Selectable)
Lens Mount	CS Mount(C mount adaptor can be used)
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

Dimensions

Unit: mm (inch)



Safety agency approval: Underwriters Laboratories Inc.®

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■ URL <http://www.ikegami.com>

U19A997-SI-F1 Printed in Japan

HEADQUARTERS 37 BROOK AVENUE, MAYWOOD, NJ 07607
Phone: (201) 368-9171 Fax: (201) 569-1626

WEST COAST OFFICE 20603 EARL STREET, TORRANCE, CA 90503 Phone: (310) 370-2400 Fax: (310) 370-7131

SOUTHWEST OFFICE TWO DALLAS COMMUNICATIONS COMPLEX, 6309 NORTH O'CONNOR ROAD, SUITE 117, IRVING, TX 75039-3510 Phone: (972) 869-2363 Fax: (972) 556-1057

MIDWEST OFFICE 747 CHURCH ROAD, UNIT C4 ELMHURST, IL 60126 Phone: (630) 834-9774 Fax: (630) 834-8689

SOUTHEAST OFFICE 5200 N.W. 33RD AVENUE, SUITE 111 FORT LAUDERDALE, FL 33309 Phone: (954) 735-2203 Fax: (954) 735-2227

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