

**High-Sensitivity
Day&Night Camera
KP-D531**

**High-Sensitivity
Color Camera
KP-D591**



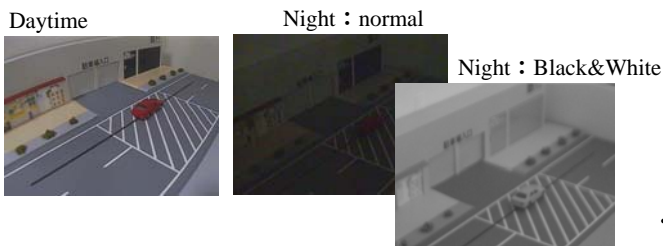
Models

High-Quality 1/2 Inch Format CCD

A high sensitivity, highly efficient 1/2 inch format CCD is employed allowing the camera to be used in continuous operation.

Day&Night Model : KP-D531

With a Day/Night function, the KP-D531 is able to provide high quality color images during the day and can automatically switch to the Night mode with a black & white output in low light conditions for improved sensitivity.

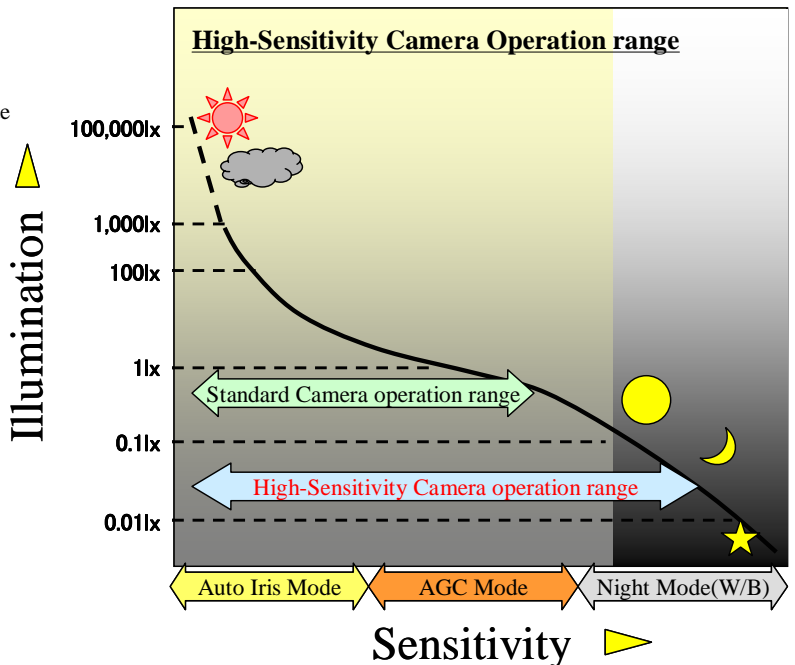


High-Sensitivity Model : KP-D591

The KP-D591 provides high sensitivity with a minimum illumination of only 0.05lx. For increased sensitivity, an accumulation mode can be selected allowing the camera to work in extremely low light conditions that cannot be matched by a standard camera.

Features

- Backlight Correction
- Auto White Balance Control
- Text Display
- Remote Control(RS-232C Interface)
- Picture Quality Adjustment Menu
- Electronic Zoom
- Digital Noise Reduction
- High Speed Electronic Shutter
- Selectable Accumulation Mode



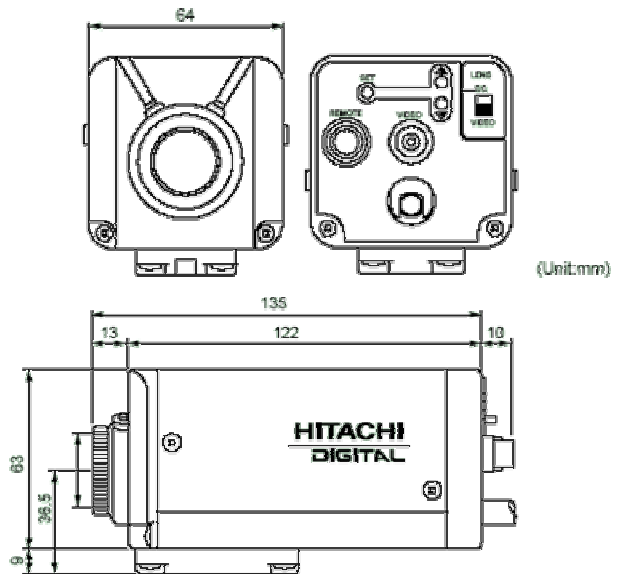
Specifications

	KP-D531(U/U-S1)	KP-D591(U)
Imaging device	1/2-inch CCD	
Scanning system	2:1 interlaced	
Scanning frequency	Hor. 15.734 kHz Vert. 59.94 kHz	
Resolution Standard Exposure	H:480 TVL V:350 TVL H:440 TVL V:260 TVL	
Signal-to-noise ratio	50 dB	
Sensitivity Color	0.006 lx(x32 F1.4)*	0.005 lx(x64 F1.2)*
Black&White	0.0006 lx(x32 F1.4)*	—
Illumination range	0.01 lx to 100,000 lx(F1.2)	
Video signal output	Composite video signal:1.0 Vp-p/75 ohm, Unbalanced BNC connector	
Sync system	Internal	Internal or external
AGC	ON/OFF switchable 6.12, 21, 31 dB 6.12, 21, 31 dB MAX	
Electronic shutter speed	1/60, 1/100, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10,000, 1/20,000, 1/30,000 AES	
Backlight correction	Backlight correction using 9 photometric areas.	
Output for auto iris lens	Video signal input type or iris control voltage input type switchable. (1) Video signal input type lens mode (VIDEO) Video signal:1.0 Vp-p/high impedance Power supply:12 VDC,max.60 mA (2) Iris control voltage input type (Galvanometer type) lens mode (DC) Impedance Damper:1150 ohm ±10 % Driv:190 ohm ±10 % Connector:Square type, 4-pin	
Text display	Up to 24 alphanumeric can be displayed and position can be set.	
White balance control	3 control modes selectable (1) Auto tracking (ATW)mode (2) Preset (AWC) mode (3) Manual (MANUAL)mode (R/B gain adjustment)	
Sensitivity setting	ON/OFF/AUTO AUTO x2,4,6,8,10,12, 16,32 MANUAL Same as the above.	AUTO x2,4,6,8,10,12, 16,32,64 MANUAL adds above x88 To max x510
Electronic zoom	Max. magnification:4 times	
Picture quality	Adjustment of each item and selection of each mode	
Lens mount	C/CS mount (C-mount adaptor)	
Camera mount	Bottom: 1/4", 20UNC With supplied tripod adaptor TA-231 needed	
Operating conditions	-10 to +50 ° C, 30 to 80 %RH	
Storage conditions	-20 to +60 ° C, 20 to 90 %RH	
Anti-vibration	3G or less	
Power supply	U: 117 VAC ±10 %, 60 Hz, U-S1: 230 VAC ±10 %, 50 Hz	
	*SensUp max/ACG max	

	KP-D531A	KP-D591U
Adjustment menu	can be made, using menu screens. (1) Text display ON/OFF, text editable, display position settable (TOP or BOTTOM). (2) Level detection area selectable (3) Iris level adjustable (4) AGC ON/OFF (5) White balance (6) Shutter speed (7) Gamma correction ON/OFF (8) Chroma level adjustable (9) Black level adjustable (10) Enhancer adjustable (11) Video signal polarity selectable (12) Exposure time setting AUTO/MANUAL Max. exposure time can be set, up to 2 to 64 times in step by fields in AUTO mode. (13) Electronic zoom Zoom ratio: Normal to 4 times (Adjustable).	
Power consumption	KP-D531U 6W KP-D531U-S1 7W	KP-D591U 6W
Dimensions (W x H x D)	64 x 63 x 123 mm (Excl. lens and protrusions)	64 x 63 x 122 mm
Mass	KP-D531U 740g KP-D531U-S1 750g	KP-D591U 740g
Composition	Operation manual x1 Fuse x1 C-mount adaptor x1 Lens plug(E4-191J-100)	
Optional accessories	Lenses Remote plug, HR10A-10P-12P(01)	

DNR : Digital Noise Reducer

Dimensions



CAUTION: To ensure safe operation, please read the instruction manual before using this product.

These Specifications are subject to change without notice.

Hitachi Kokusai Electric Inc.

Head Office : 14-1, Sotokanda 4-chome, Chiyoda-ku, Tokyo 101-8980, Japan
Phone : +81(0) 3-6734-9432, Fax : +81(0) 3-5209-5942
URL : <http://www.h-kokusai.com>

Hitachi Kokusai Electric (Shanghai) Co., Ltd. Beijing Branch
Room 1413, Beijing Fortune Building, 5 Dong San Huan Bei-Lu, Chao Yang District, Beijing
Phone : +86(0) 10-6590-8755/8756, Fax : +86(0) 10-6590-8757

Hitachi Kokusai Electric America, Ltd. URL : <http://hitachikokusai.com>
Headquarters and Northeast Office : 150 Crossways Park Drive, Woodbury, New York 11797, U. S. A.
Phone : (+1) 516-921-7200, Fax : (+1) 516-496-3718

West Office : 371 Van Ness Way, Suite 120 Torrance, CA, 90501, U. S. A.
Phone : (+1) 310-328-6116, Fax : (+1) 310-328-6252

Midwest Sales : Phone : (+1) 330-334-4115, Fax : (+1) 516-496-3718
Service (+1) 989-345-5379

South Sales : Service (+1) 256-774-3777

Parts Center : Phone : (+1) 516-682-4435, Fax : (+1) 516-921-0993

Latin Sales : Phone : (+1) 516-682-4420, Fax : (+1) 516-496-3718

Hitachi Kokusai Electric Canada, Ltd. URL : www.hitachikokusai.ca

Head Office : 1 Select Avenue Unit#12 Scarborough, Ontario M1V 5J3, Canada
Phone : (+1) 416-299-5900, Fax : (+1) 416-299-0450

Eastern Office : 5795 Chemin St. Francois St. Lau rent, Quebec H4S 1B6, Canada
Phone : (+1) 514-332-6687, Fax : (+1) 514-335-1664

Hitachi Kokusai Electric Europe GmbH

Head Office : Weiskircher Straße 89, Jügesheim D-63110 Rodgau, Germany
Phone : +49(0) 6106-69920, Fax : +49(0) 6106-16906

URL : www.hitachi-ke-eu.com
General email address : info@hitachi-ke-eu.com

Hitachi Kokusai Electric U.K. Ltd.

Head Office : Windsor House, Britannia Road, Waltham Cross, Hertfordshire EN8 7NX,
United Kingdom

Phone : +44(0) 845-121-2177, Fax : +44(0) 845-121-2180

General email address : uksales@hitachi-ke-eu.com



CERTIFICATE No.
JMI-0062
ISO 9001/BS 5750Pt1
EN 29001/JIS Z9901