

Specifications

Imaging device	KP-D28:1/3 " KP-D591:1/2 "		
	Inter-line CCD with micro lens on chip		
	NTSC		PAL
Effective pixels	768 (H) x494 (V)	752 (H) x582 (V)	
Total pixels	811 (H) x508 (V)	795 (H) x595 (V)	
Scanning system	2:1 interlaced		
Scanning frequency	NTSC		PAL
Hor.	15.734 kHz	15.625 kHz	
Vert.	59.94 kHz	50 Hz	
Resolution	NTSC		PAL
Standard	H:480 TVL	H:470 TVL	V:350 TVL
Exposure	H:440 TVL	H:440 TVL	V:260 TVL
Signal-to-noise ratio	50 dB		
Sensitivity	Standard		Max
	KP-D591 1.0 lx(Max AGC)	0.01 lx(AGC max. 6.4x. F1.2)	
	KP-D28 1.5 lx(Max AGC)	0.02 lx(AGC max. 6.4x. F1.2)	
Illumination range	KP-D591 0.01 lx to 100,000 lx(f1.2 ES lens)		
	KP-D28 0.02 lx to 100,000 lx(f1.2 ES lens)		
Signal processing system	Digital signal processing A/D:10-bit Processing:8-bit		
Video signal output	Composite video signal:1.0 Vp-p/75 ohm, unbalanced BNC connector		
Sync system	Internal or external(Line Lock).		
AGC	ON/OFF switchable		
	Max gain at ON:6,12, 21, 31 dB(Factory setting:21 dB)		
Electronic shutter speed	11 steps selectable		
	1/60 (PAL,1/50),1/100,1/250,1/500,1/1000,1/2000,1/4000,1/10,000,1/20,000,1/30,000,AUTO.		
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 % Drive:190 ohm ±10 % Connector:Square type, 4-pin		
Text display	Up to 24 alphanumeric characters 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	Automatic sensitivity (AUTO) or fixed sensitivity (MANUAL) selectable. Maximum sensitivity can be set in AUTO mode. Standard sensitivity (NTSC:1/60 s, PAL:1/50 s) or 2 to 64 times.		

Electronic zoom	Max. magnification:4 times
Picture quality adjustment menu	Adjustment of each item and selection of each mode 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)Video signal polarity selectable
	(9)Chroma level adjustable
	(10)Black level adjustable
	(11)Contour correction amount adjustable
	(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).
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, E/K:230 VAC ±10 %, 50 Hz
Power consumption	KP-D591 U 6 W KP-D591 E/K 7 W KP-D28 U 4.5 W KP-D28 E/K 5.5 W
Dimensions	64 (W)x63 (H)x122 (D)mm (Excl. lens and protrusions)
Mass	KP-D591U 740 g KP-D591E 750 g KP-D591K 700 g KP-D28U 730 g KP-D28E 740 g KP-D28K 690 g
Composition	Camera KP-D591/KP-D28 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