

Production Camera Specifications

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	KY-D29U	KY-D29WU	KY-19U
Optical system	2/3" F1.4 RGB prism system	2/3" F1.4 RGB prism system	1/2" F1.4 RGB prism system
Pickup device	2/3" 3 Interline-transfer CCDs, 3-chip	2/3" 3 Interline-transfer CCDs, 3-chip	1/2" Interline-transfer CCDs, 3-chip
Picture elements	768 (H) x 986 (V)	980 (H) x 494 (V)	380,000 (effective) 768 (H) x 494 (V)
Encoder	DSP	DSP	NTSC (Wide-band R-Y/B-Y system) 1.3 MHz
Synchronizing system	Internal/External	Internal/External	Internal/External
Optical filter	3200°K, 5600°K 5600°K+ND, star filter	←	3200°K, 5600°K 5600°K +1/16 ND
Lens mount	2/3" bayonet	2/3" bayonet	1/2" bayonet
Sensitivity	F11, 2000 lux, 0 dB gain	F11, 2000 lux, 0 dB gain	F8, 2000 lux, 0 dB gain
Minimum illumination	0.35 lux F1.4, Super LoLux mode	0.35 lux F1.4, Super LoLux mode	7.5 lux (+18 dB, F1.4) 2 lux (LoLux mode, F1.4 equivalent to +30 dB gain)
S/N	65 dB (Detail OFF, Gamma 1, Bandwidth 4.2 MHz, Matrix OFF, DNR ON)	65 dB (Detail OFF, Gamma 1, Bandwidth 4.2 MHz, Matrix OFF, DNR ON)	62 dB typical (Detail correction OFF, Gamma 1, Bandwidth 4.2 MHz, Matrix OFF)
Vertical resolution	V-Plus: 420 TV lines V-Max: 450 TV lines V-Normal: 380 TV lines	V-Max: 450 TV lines V-Normal: 380 TV lines	380 TV lines
Horizontal resolution	850 TV lines (Typical)	700 TV lines (Typical)	750 TV lines, 540 TV lines (R/G/B)
Registration	0.05% (Without Lens, Distortion, in all areas)	0.05% (Without Lens, Distortion, in all areas)	0.05% (Without Lens, Distortion, in all areas)
Detail correction	Horizontal: Dual correction with selectable frequency Vertical: 2H	Horizontal: Dual correction with selectable frequency Vertical: 2H	Horizontal: Dual-edged Vertical: 2H
Color bars	SMPTE Type	SMPTE Type	SMPTE Type
Gain boost	-3, 0, 6, 9, 12, 18 dB, Selectable by menu, LoLux (33 dB), Super LoLux (39 dB), Variable Gain in ALC	-3, 0, 6, 9, 12, 18 dB, Selectable by menu, LoLux (33 dB), Super LoLux (39 dB), Variable Gain in ALC	0, 6, 9, 12, 18 dB Variable gain in ALC, LoLux 30 dB gain equivalent
Shutter speeds	1/60, 1/100, 1/250, 1/500, 1/1000, 1/2000, Variable shutter in ALC	1/60, 1/100, 1/250, 1/500, 1/1000, 1/2000, Variable shutter in ALC	1/60, 1/100, 1/250, 1/500, 1/1000, 1/2000, Variable shutter in ALC
Variable scan	1/60.5 - 1/1966.7 sec.	1/60.1 - 1/2066.8 sec.	1/60.1 - 1/2084.6 sec., 255 steps
Output signals (KA-27U)			
Video signals			
1. Composite video signal	1.0 V (p-p), 75 ohms (BNC, 26P)	1.0 V (p-p), 75 ohms (BNC, 26P)	1.0 V (p-p), 75 ohms (BNC, 26P)
2. Separate Y/C signal	Y: 1.0 V (p-p), 75 ohms (7P, 26P)/C: 0.286 V (p-p), 75 ohms	Y: 1.0 V (p-p), 75 ohms (7P, 26P)/C: 0.286 V (p-p), 75 ohms	Y: 1.0 V (p-p) C: 0.286 V (p-p), (Burst), 75 ohms (7P, 26P)
3. Component video signal	Y: 1.0 V (p-p), 75 ohms (26P)/R-Y/B-Y: 0.7 V (p-p), 75 ohms	Y: 1.0 V (p-p), 75 ohms (26P)/R-Y/B-Y: 0.7 V (p-p), 75 ohms	Y: 1.0 V (p-p), 75 ohms R-Y/B-Y: 0.486 V (p-p) or 0.7 V (p-p), 75 ohms (26P)
4. R/G/B signal	R/G/B: 0.7 V (p-p), 75 ohms, (26P)(2, 3 or 4 is selectively output from the same 26-pin connector.)	R/G/B: 0.7 V (p-p), 75 ohms, (26P)(2, 3 or 4 is selectively output from the same 26-pin connector.)	R/G/B: 0.7 V (p-p), 75 ohms (26P)(2, 3 or 4 is selectively output from the same 26-pin connector.)
Audio signal	-60/-20 dBm selectable 600 W, balanced	-60/-20 dBm selectable 600 W, balanced	-60/-20 dBm selectable (Stereo/ Monaural applicable), 600 W balanced
Input signals			
Return video signal	VBS: 1.0 V (p-p), 75 ohms (26P, 50P docked)	VBS: 1.0 V (p-p), 75 ohms (26P, 50P docked)	VBS: 1.0 V (p-p), 75 ohms (26P, 50P docked)
Genlock signal	VBS: 1.0 V (p-p), 75 ohms (BNC, 26P) BB: 0.45 V (p-p), 75 ohms (BNC, 26P)	VBS: 1.0 V (p-p), 75 ohms (BNC, 26P) BB: 0.45 V (p-p), 75 ohms (BNC, 26P)	VBS: 1.0 V (p-p), 75 ohms (BNC, 26P) BB: 0.43 V (p-p), 75 ohms (BNC, 26P)
Audio signal	XLR: -60 dBm, balanced, 48 V phantom power supply	XLR: -60 dBm, balanced, 48 V phantom power supply	Mic level JVC 6P, XLR: JVC 6P: -52 dBm, unbalanced 9 V power, Stereo/Mono XLR: -60 dBm, balanced
Power requirements	12 V DC (Normal), 10.5 V to 17 V DC (Permissible battery range)	12 V DC (Normal), 10.5 V to 17 V DC	12 V DC (Normal), 10.5 V to 18 V DC
Power consumption	19 W (with VF-P115U viewfinder, camera head, camera adapter and lens)	21 W (with VF-P116WU viewfinder, camera head, camera adapter and lens)	12.6 W with camera adapter and viewfinder 11.9 W with viewfinder only 9.8 W without adapter or viewfinder
Ambient temperature	-5°C to +45°C (23°F to 113°F)	-5°C to +45°C (23°F to 113°F)	-10°C to +45°C (14°F to 113°F)
Weight	Approx. 2.3 kg (5.1 lbs.) (camera head only)	Approx. 2.3 kg (5.1 lbs.)	2.0 kg (4.4 lbs.)

All model numbers, specifications and prices are subject to change without notice.