

Production Camera Specifications

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	KY-D29U	KY-D29WU
Optical system	2/3" F1.4 RGB prism system	2/3" F1.4 RGB prism system
Pickup device	2/3" 3 Interline-transfer CCDs, 3-chip	2/3" 3 Interline-transfer CCDs, 3-chip
Picture elements	768 (H) x 986 (V)	980 (H) x 494 (V)
Encoder	DSP	DSP
Synchronizing system	Internal/External	Internal/External
Optical filter	3200°K, 5600°K 5600°K+ND, star filter	
Lens mount	2/3" bayonet	2/3" bayonet
Sensitivity	F11, 2000 lux, 0 dB gain	F11, 2000 lux, 0 dB gain
Minimum illumination	0.35 lux F1.4, Super LoLux mode	0.35 lux F1.4, Super LoLux mode
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)
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
Horizontal resolution	850 TV lines (Typical)	700 TV lines (Typical)
Registration	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
Color bars	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
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
Variable scan	1/60.5 - 1/1966.7 sec.	1/60.1 - 1/2066.8 sec.
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)
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
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
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.)
Audio signal	-60/-20 dBm selectable 600 ohms, balanced	-60/-20 dBm selectable 600 ohms, 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)
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)
Audio signal	XLRL: -60 dBm, balanced, 48 V phantom power supply	XLRL: -60 dBm, balanced, 48 V phantom power supply
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
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)
Ambient temperature	-5°C to +45°C (23°F to 113°F)	-5°C to +45°C (23°F to 113°F)
Weight	Approx. 2.3 kg (5.1 lbs.) (camera head only)	Approx. 2.3 kg (5.1 lbs.)

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