

# Color Camera Specifications

	TK-1360BU	TK-C1380U	TK-N1100U	TK-C420U	TK-C400U
Image device	1/2" interline transfer (IT) CCD	1/2" interline transfer (IT) CCD	1/3" interline transfer (IT) CCD	1/3" interline transfer (IT) CCD	1/3" interline transfer (IT) CCD
Picture elements	380K (768 (H) x 494 (V))	380K (768 (H) x 494 (V))	380K (768 (H) x 494 (V))	380K (768 (H) x 494 (V))	250K (510 (H) x 492 (V))
Video process circuit	DSP	DSP	analog	DSP	DSP
Sync system	Internal, line lock,	Internal, line lock, external (full genlock)	Internal, external, line lock (60 Hz only)	Internal, line lock (60 Hz only)	Internal, line lock (60 Hz only)
Sync input	BB or VBS	BB or VBS	BB or VBS	BB or VBS	BB or VBS
Video output	VBS	VBS, Y/C	VBS	VBS	VBS
Signal to noise ratio	48 dB	48 dB	50 dB	48 dB (AGC off)	48 dB (AGC off)
Horizontal resolution	470 TV lines	470 TV lines	470 TV lines	470 TV lines	330 TV lines
Minimum required illumination	0.95 lux (F1.2, normal shutter), 0.03 lux (F1.2, slow shutter)	0.95 lux (F1.2)	2 lux (F1.2, AGC switch set to "ON", in color mode), 0 lux (infrared illumination switch "ON" in black/white mode)	1.5 lux (F1.2, AGC off)	0.9 lux (F1.2, AGC off)
Electronic shutter	Normal, 1/100, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/100,000 second, automatic electronic shutter, slow shutter	Normal, 1/100, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/100,000 second, automatic electronic shutter, slow shutter	Normal, 1/100, 1/250, 1/1000, 1/2000, 1/4000, 1/10,000 second, automatic electronic shutter	Auto	Auto
Automatic electronic shutter(AES)	32/60 to 1/100,000 seconds	1/60 to 1/100,000 sec.	1/60 to 1/10,000 sec.	1/60 to 1/10,000 sec.	1/60 to 1/10,000 sec.
Slow shutter	2/60, 4/60, 8/60, 16/60, 32/60 seconds	na	na	na	na
White balance	3 dimensional detection Auto Tracking White (ATW), manual (biaxial)	3 dimensional detection Auto Tracking White (ATW), manual	3 dimensional detection Auto Tracking White (ATW), manual, Biaxial G-Mg, R-B)	Auto Tracking White (ATW), manual	Auto Tracking White (ATW), manual
Back light compensation (BLC)	On/off, multi-data detect BLC (6 patterns)	On/off, multi-data detect BLC (6 patterns)		On/off	On/off
Limit of infrared illumination	na	na	3 m (9.8 ft) (F1.2, in black/white mode)	na	na
Infrared illumination	na	na	Lighting in the black/white mode (when set to AUTO)	na	na
Lens mount	C or CS	C or CS	C mount (thread depth limited to 5.55 mm max.)	C or CS	C or CS
Automatic gain control (AGC)	Off, +9 dB, +18 dB	Off, +9 dB, +18 dB	On/off	On/off	On/off
Setup menu	Sync select, phase control, chroma level, chroma phase brightness, detail enhancement, AGC select, shutter speed, BLC, white balance selection and control, highlight inversion, gain on/off/up, camera ID	Y-level, C-level, AP-level, PED level, hue	na	na	na
Remote control input	8-pin miniature round connector, RS-422A (4 wire to duplication)	na	na	na	na
Power requirements	AC 24 V (50/60 Hz), DC 12 V	AC 24 V (50/60 Hz), DC 12 V	DC 12 V± 10% or AC 24 V± 10%, 60 Hz	AC 24 V (60 Hz), DC 12 V	AC 24 V (60 Hz), DC 12 V
Power consumption	Approx. 440 mA at AC 24 V (6.6 W), approx. 550 mA at DC 12 V (6.6 W)	380 mA at AC 24 V (5.6 W), 470 mA at DC 12 V (5.6 W)	13 W (with infrared illumination on), 7.5 W (with infrared illumination off)	4.4 W	4 W
Operating temperature	-10 to 50°C (14 to 122°F)	-10 to 50°C (14 to 122°F)	-10 to 50°C (14 to 122°F)	-10 to 50°C (14 to 122°F)	-10 to 50°C (14 to 122°F)
Weight	640 g (1.41lbs.)	640 g (1.41lbs.)	700 g (1.6 lbs.)	510 g (1.2 lbs.)	510 g (1.2 lbs.)
Dimensions	70 (W) x 67 (H) x 159 (D) mm (2-13/16" x 2-11/16" x 6-5/16")	←	70 (W) x 102 (H) x 183 (D) mm (2-13/16" x 4-1/16" x 7-1/4")	70 (W) x 65 (H) x 126 (D) mm (2-13/16" x 2-9/16" x 5")	←