

Color Camera Specifications

	TK-C1480U/TK-C1460U	TK-1360BU	TK-C1380U	TK-C700U	TK-C720U
Image device	1/3" interline transfer (IT) CCD	1/2" interline transfer (IT) CCD	1/2" 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))	290K (500 (H) x 582(V))	440K (752(H) x 582(V))
Video process circuit	DSP	DSP	DSP	DSP	DSP
Sync system	Internal, Line Lock full Genlock	Internal, line lock,	Internal, line lock, external (full genlock)	Internal, line lock (60 Hz only)	Internal, line lock (60 Hz only)
Sync input	BB or VBS	BB or VBS	BB or VBS	na	na
Video output	Composite video signal	VBS	VBS, Y/C	VBS	VBS
Y/C output	Y: 0.714 V (p-p), 75 ohms C: 0.286 V (p-p), 75 ohms				
Scanning frequency	15,734 kHz (H), 59.94 Hz (V)				
Communication	RS-422A or RS-485 (switchable), 9600 bits/s				
Signal to noise ratio	50 dB (AGC OFF)	48 dB	48 dB	50 dB (AGC off)	50dB (AGC off)
Horizontal resolution	480 TV lines	470 TV lines	470 TV lines	330 TV lines	470TV lines
Minimum required illumination	0.8 lux (50%, F1.2, AGC 20 dB) 0.4 lux (25%, F1.2, AGC 20 dB) 0.03 lux (50%, F1.2, AGC 20 dB, B&W mode) 0.025 lux (50%, F1.2, AGC 20 dB, Sense Up x 32)	0.95 lux (F1.2, normal shutter),0.03 lux (F1.2, slow shutter)	0.95 lux (F1.2)	0.75 lux (F1.2, AGC on)	1.5 lux (F1.2, AGC on)
Electronic shutter	Normal, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10,000	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	1/50(normal)	1/5(normal)
Automatic electronic shutter(AES)	1/60 to 1/100,000	32/60 to 1/100,000 seconds	1/60 to 1/100,000 sec.	on/off	on/off
Slow shutter	2/60, 4/60, 8/60, 16/60, 32/60 seconds	2/60, 4/60, 8/60, 16/60, 32/60 seconds	na	na	na
White balance	Auto Tracking White (ATW), Auto White Control (AWC, manual point possible)	3 dimensional detection Auto Tracking White (ATW), manual (biaxial)	3 dimensional detection Auto Tracking White (ATW), manual	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, multi-data detect BLC (6 patterns)	On/off	On/off
Limit of infrared illumination	na	na	na	na	na
Infrared illumination	na	na	na	na	na
Lens mount	C/CS mount	C or CS	C or CS	C or CS	C or CS
Automatic gain control (AGC)	Off, 10 dB, 20 dB, super	Off, +9 dB, +18 dB	Off, +9 dB, +18 dB	On/off	On/off
Setup menu	Enhance, pedestal, white balance, phase, AGC, color, line lock, auto black, iris, camera ID, slow shutter	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
Remote control input	4-wire	8-pin miniature round connector, RS-422A (4 wire to duplication)	na	na	na
Power requirements	AC 24 V (60 Hz), DC 12 V	AC 24 V (50/60 Hz), DC 12 V , DC 12 V	AC 24 V (50/60 Hz),	AC 24 V (60 Hz), DC 12 V	AC 24 V (60 Hz), DC 12 V
Power consumption	TK-C1480U: 5.2 W TK-C1460U: 6.5 W	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)	290m A	350mA
Operating temperature	-10°C to 50°C (14°F to 122°F), 0°C to 40°C (32°F to 104°F) (recommended)	-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	TK-C1480U: 580 g (0.12 lbs.) TK-C1460U: 650 g (1.43 lbs.)	640 g (1.41lbs.)	640 g (1.41lbs.)	360 g (0.79 lbs.)	360g (0.79lbs.)
Dimensions	71 (W) x 63 (H) x 149 (D) mm (2-13/16" x 2-1/2" x 5-7/8")	70 (W) x 67 (H) x 159 (D) mm (2-13/16" x 2-11/16" x 6-5/16")	←	50 (W) x 58 (H) x 126 (D) mm (2" x 2-5/16" x 5")	←