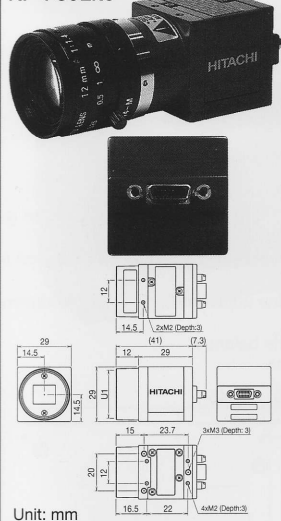


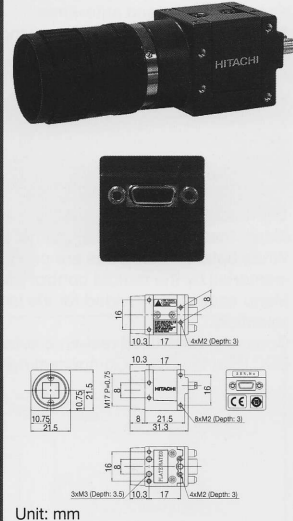
KP-F200Lite	PoCL-Lite	1/1.8" CCD	UXGA(2.01 M pixel)(1628 x 1236)	Max. 15 frames per sec.	29(W)×29(H)×29(D)mm
KP-F80Lite		1/3" CCD	XGA(0.81 M pixel)(1034 x 779)	Max. 36 frames per sec.	
KP-F30Lite			VGA(0.33 M pixel)(659 x 494)	Max. 60 frames per sec.	
KP-FM30Lite		1/3" CMOS	VGA(0.36 M pixel)(752 x 480)	Max. 90 frames per sec.	21.5(W)×21.5(H)×21.5(D)mm KP-FBM30Lite is an integrated cable

KP-F200Lite, KP-F80Lite, KP-F30Lite



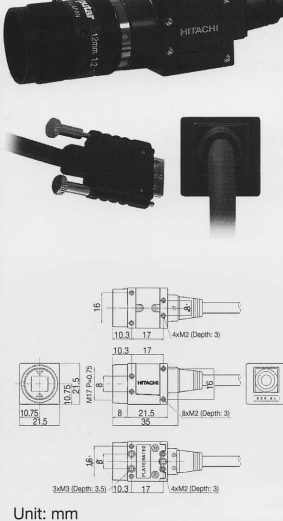
Unit: mm

KP-FM30Lite



Unit: mm

KP-FBM30Lite



Unit: mm

Actual Size
KP-F200Lite, KP-F80Lite, KP-F30Lite



Actual Size
KP-FM30Lite, KP-FBM30Lite
*KP-FBM30Lite is an integrated PoCL cable



		KP-F200Lite	KP-F80Lite	KP-F30Lite	KP-FM30Lite KP-FBM30Lite
Imaging device		1/1.8-inch interline CCD (ICX274AL)	1/3-inch interline CCD (ICX204AL)	1/3-inch interline CCD (ICX424AL)	1/3-inch CMOS
	Total pixels	1688 (H) x 1248 (V)	1077 (H) x 788 (V)	692 (H) x 504 (V)	—
	Effective pixels	1628 (H) x 1236 (V)	1034 (H) x 779 (V)	659 (H) x 494 (V)	752 (H) x 480 (V)
	Pixel size	4.4 μm (H) x 4.4 μm (V) (square lattice)	4.65 μm (H) x 4.65 μm (V) (square lattice)	7.4 μm (H) x 7.4 μm (V) (square lattice)	6.0 μm (H) x 6.0 μm (V) (square lattice)
Sensing area		7.16 mm (H) x 5.44 mm (V)	4.76 mm (H) x 3.75 mm (V)	4.88 mm (H) x 3.66 mm (V)	4.51 mm (H) x 2.88 mm (V)
Scanning system		Progressive			
Aspect ratio		4 : 3			5 : 3
Frame rate		15 frames per second (full pixel readout)	36 frames per second (full pixel readout)	60 frames per second (full pixel readout)	90 frames per second (full pixel readout)
Horizontal drive frequency		36.0000 MHz	36.0000 MHz	24.5454 MHz	36.818 MHz
Horizontal scanning frequency		18.75 kHz (full pixel readout)	28.346 kHz (full pixel readout)	31.468 kHz (full pixel readout)	45.29 kHz (full pixel readout)
Vertical scanning frequency		14.97 Hz (full pixel readout)	35.79 Hz (full pixel readout)	59.94 Hz (full pixel readout)	90 Hz
Sync system		Internal			
Lens mount		C-mount (Flange focal distance = 17.526 mm)			NF-mount (Flange focal distance = 12 mm)
Video output		Digital output (PoCL-Lite) Base configuration: 36.0000 MHz (Maximum cable length is 10 m) Output image size: 1628 (H) x 1236 (V) (full pixel readout)	Digital output (PoCL-Lite) Base configuration: 36.0000 MHz (Maximum cable length is 10 m) Output image size: 1024 (H) x 768 (V) (full pixel readout)	Digital output (PoCL-Lite) Base configuration: 24.5454 MHz (Maximum cable length is 10 m) Output image size: 659 (H) x 494 (V) (full pixel readout)	Digital output (PoCL-Lite) Base configuration: 36.8184 MHz (Maximum cable length is 10 m) (KP-FBM30Lite: Cable length is 2 m) Output image size: 752 (H) x 480 (V) (full pixel readout)
Resolution		Horizontal / Vertical: 1200 TV lines	Horizontal / Vertical: 800 TV lines	Horizontal: 500 TV lines / Vertical: 490 TV lines	Horizontal / Vertical: 480 TV lines
Sensitivity		400 lx, F5.6, 3200 K	400 lx, F4, 3200 K	400 lx, F5.6, 3200 K	400 lx, F2.8, 3200 K
Minimum illumination		1.0 lx (F1.4, MAX GAIN)			16 lx (F1.4, MAX GAIN)
Signal noise to ratio		50 dB			
Electric shutter		OFF 1/15, 1/60, 1/125, 1/250, 1/1000, 1/2000, 1/10000, 1/50000 second. OFF is normal exposure (frame rate) or changeable by variable shutter (Minimum 1/100000 second)	OFF 1/36, 1/60, 1/125, 1/250, 1/1000, 1/2000, 1/10000, 1/50000 second. OFF is normal exposure (frame rate) or changeable by variable shutter (Minimum 1/100000 second)	OFF 1/60, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000, 1/50000 second. OFF is normal exposure (frame rate) or changeable by variable shutter (Minimum 1/100000 second)	OFF 1/90, 1/100, 1/250, 1/500, 1/1000, 1/2000, 1/10000 second. OFF is normal exposure (frame rate) or changeable by variable shutter (Minimum 1/100000 second)
Gamma		γ = 1			
Frame on demand		(A) Fixed shutter (8 steps or variable) (B) ONE trigger mode (C) VD reset mode			Fixed shutter (7 steps or variable)
Partial scan		Selectable start position and height of picture grabbing in 1H step.			—
Power supply voltage		12 ± 1 VDC			
Current consumption		Approx. 170 mA (Approx. 2.1 W)	Approx. 120 mA (Approx. 1.5 W)		Approx. 80 mA (Approx. 0.96 W)
Ambient temperature	Performance	0 to +40 °C (+32 to +104 °F), less than 90 % RH			
	Operation	-10 to +50 °C (+14 to 122 °F), less than 90 % RH			
	Storage	-20 to +60 °C (-4 to 140 °F), less than 70 % RH (without dew condensation)			
Vibration endurance		10 to 200 Hz 98 m/s ²			
Shock endurance		686 m/s ²			
External dimensions		29 (W) x 29 (W) x 29 (D) mm (Not including protrusions)			21.5 (W) x 21.5 (W) x 21.5 (D) mm (Not including protrusions) (Not including cable for KP-FBM30Lite)
Mass		Approx. 50 g			Approx. 20 g (Not including cable for KP-FBM30Lite)