


## The Progressive Scan Exmor CMOS sensor----- DATA SHEET

Image sensor (mode:4K2K )	Type	Progressive scan CMOS image sensor 1/2.5type “ExmorR”	 Outline Image
	Number of total pixels (H) x(V)	3864 x 2218, 8.57 [pixels]	
	Number of effective pixels (H) x(V)	3864 x 2202, 8.51M [pixels]	
	Number of recording pixels (H) x(V)	3840 x 2160, 8.29M [pixels]	
Lens	Focal Length	4.4 [mm] to 88.0 [mm]	
	Magnification	20[times]	
	Horizontal angle of view	70.2[degree] (Wide) 4.1[degree] (Tele)	
	F value	*When Image stabilizer ON: 60[degree] (Wide) 3.5[degree] (Tele) F2.0 (Wide) to F3.8 (Tele)	
Control Mechanics	Zoom motor	Stepping motor/ Moving coil linear motor	
	Focus motor	Moving coil linear motor	
	Iris	Galvano	
	IRCF	Stepping motor	
Output mode	[QFHD] QFHD/29.97p, QFHD/25p, QFHD/23.39P [FHD] 1080p/59.94, 1080i/59.94, 1080p/50, 1080i/50, 1080p/29.97, 1080p/25, 1080p/23.98 [HD] 720p/59.94, 720p/50 [SD] 480p/59.94, 576p/50		
Synchronized codes	[QFHD]	Comparable to CEA861-F	
	[FHD]      Progressive	Comparable to CEA861-D	
	[HD]        Interlace	Comparable to CEA861-D	
I/O pins	Image signal Output	Compliant with HDMI(2160p,1080p,1080i,720p)	
	Control signal I/O	VISCA protocol (CMOS 3.1 [V]), USB PTP	
Power, others	Power supply	DC 6.0 [V] to DC 12.0 [V]	
	Power consumption	3W (Typ. DC IN 6-12V, steady state)	
	Storage temperature	-20 to +60 [°C] / 20 [%] to 95 [%] Absolute humidity: 36 [a/m3]	
	Operating temperature	-5 to +60 [°C] / 20 [%] to 80 [%] Absolute humidity: 36 [g/m3]	
	Package dimensions (W) x (H) x (D)	50.0 [mm]*60.0 [mm] * 93.3 [mm]	
	Package mass	Approx. 275[g]	