|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Image sensor (mode:4K2K )** | **Type** | | Progressive scan  CMOS image sensor 1/2.5type “ExmorR” | sony 4K sensor tech data  **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)  \*When Image stabilizer ON: 60[degree] (Wide) 3.5[degree] (Tele) |
| **F value** | | 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 [9/m3] | |
| **Package dimensions (W) x (H) x (D)** | | 50.0 [mm]\*60.0 [mm] \* 93.3 [mm ] | |
| **Package mass** | | Approx. 275[g] | |



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