[ACM-CH4 Manual]

4 Channel Video Input and selectable.

YCbCr(4:2:2) Digital Output Format (ITU-R BT.656 compatible) for Recording and Playback.

Typical power consumption < 100mW.

1. Input
   1. Feature

* 4 Channel Video Input ( 1 channel is shared with internal camera module )
* Input Format : 2Vp-p CVBS(Composite Video Blanking and Sync).
  1. Internal Camera interface (J12)
* J12 Connection information

|  |  |
| --- | --- |
| Pin Number | Description |
| 1 | Power Supply (+5V) |
| 2 | GND |
| 3 | Signal(CVBS) |

* J12 Connector Information : Yeonho 12505WS-03

1. Output

2-1 Digital signal interface (J13)

* J13 Connection information

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Pin  Number | Description | Pin  Number | Description | Pin  Number | Description |
| 1 | GND | 11 | DATA 6(O) | 21 | HSYNC(O) |
| 2 | I2C CLK(I) | 12 | DATA 7(O) | 22 | GND |
| 3 | I2C DAT(IO) | 13 | GND | 23 | NONE |
| 4 | GND | 14 | RESET(I) | 24 | GND |
| 5 | DATA 0(O) | 15 | SW1(I) | 25 | CLOCK(O) |
| 6 | DATA 1(O) | 16 | INTREQ(O) | 26 | GND |
| 7 | DATA 2(O) | 17 | MPOUT(O) | 27 | +5V |
| 8 | DATA 3(O) | 18 | SW2(I) | 28 | +5V |
| 9 | DATA 4(O) | 19 | GND | 29 | +5V |
| 10 | DATA 5(O) | 20 | VSYNC(O) | 30 | +5V |

* (I) : Input
* (O) : Output
* (IO) : Bidirectional
* Cable Information : 0.5mm pitch FPC 1:1 150mm.