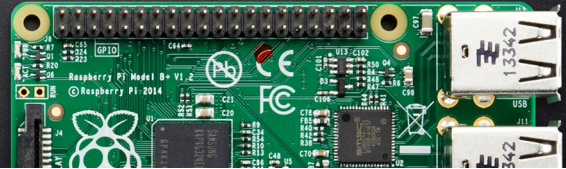


IVPORT DUAL

Raspberry Pi Camera Module Multiplexer for 2 Cameras

IVPORT DUAL which is the first Raspberry Pi (also Raspberry Pi B+, Raspberry Pi 2, Raspberry Pi 3 compatible) Camera Module multiplexer is designed to make possible connecting more than one camera module to Raspberry Pi. Multiplexing can be controlled by 1 pin for 2 camera modules with using GPIO.

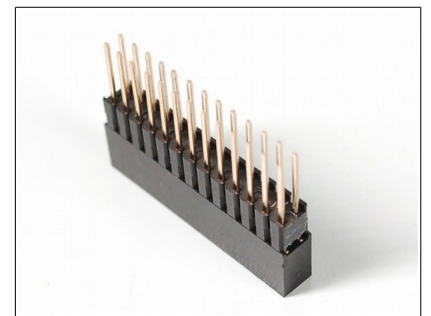


IVPORT Dual Documentation

Ivport Dual has 3 FFC (flexible flat cable) connectors that make possible to connect more than one Camera Module to Raspberry Pi board. 2 of them are placed to top side of Ivport and 1 of them are placed to bottom side of Ivport.

Assembly Header of Ivport

Ivport dual's headers are standard pin female header. 2X13 female header should be soldered.

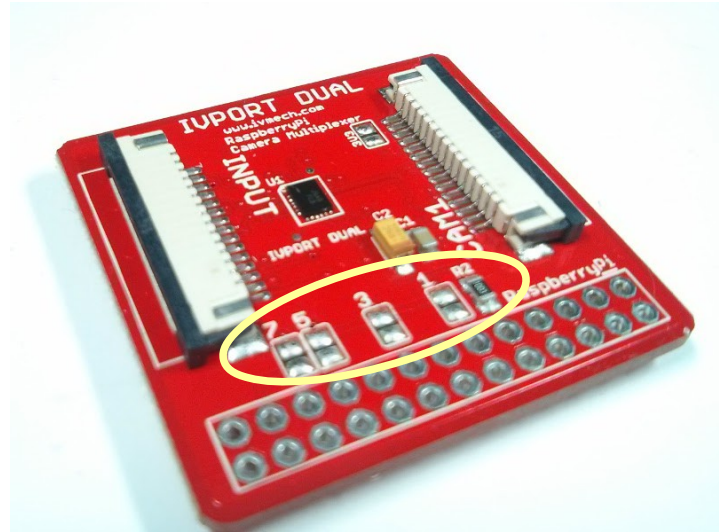


Jumper Settings

There are pinout configuration jumpers on Ivport's both sides. They make possible to connect Ivport's each other with stackable headers. Also they are used to configure Ivport's pinouts if predefined pins have been already using for other purpose.



Bottom View



Top View

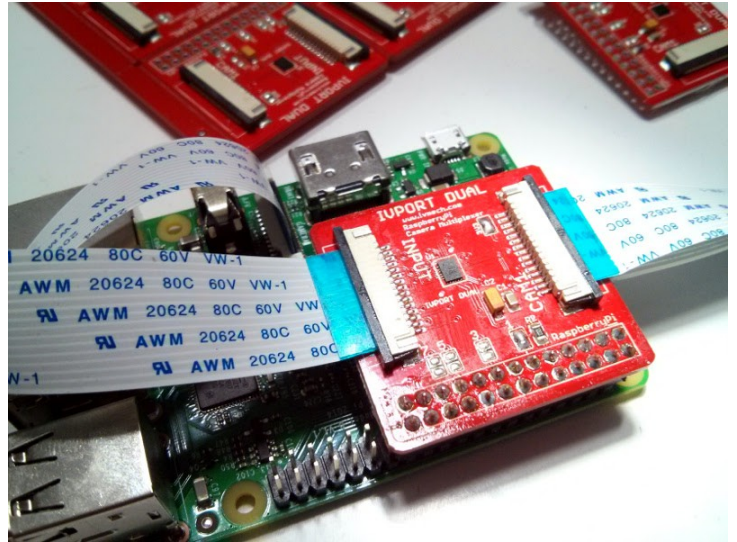
There are 8 jumpers as numbered above. One jumper should be soldered with determining from below table before Ivport Dual is used. Each numbered jumpers are placed boards both sides.

	GPIO Pin Number
Jumper 1	Pin 11
Jumper 2	Pin 12
Jumper 3	Pin 15
Jumper 4	Pin 16
Jumper 5	Pin 21
Jumper 6	Pin 22
Jumper 7	Pin 23
Jumper 8	Pin 24



Attaching Board

After headers and jumpers are soldered, Camera Module can be attached to Ivport with using its flexible flat cable to preferred connector. Also one more flexible flat cable (same as Camera Module's) needed for connection between “Raspberry Pi Camera Input” and “Ivport Input”. After flexible flat cable connection, Ivport can be attached to Raspberry Pi's GPIO headers.



<https://github.com/ivmech/ivport>





IVMECH
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