

3.6.1.6 Input Resolution Select: (I2C: 0x0C, Flash :0x0000000C, CPU Command code: 0x800C)

The table below shows the supported input and output resolutions for the 0.3 WVGA DMD

Bit(s)	Description					Reset	Type	Notes
4:0	Select the input resolution:					d1	wr	1
	Input Resolution Options (decimal)	Source Resolution		Display Non-Rotated		Display Rotated		
		H	V	H	V	H	V	2
	0 - QVGA portrait	240	320	360	480	640	480	3
	1 - QVGA landscape	320	240	640	480			3
	2 - QWVGA portrait	240	427	270	480	853	480	3, 8
	3 - QWVGA landscape	427	240	853	480			4
	4 - 2:3 VGA Portrait	430	640	322	480	714	480	3
	5 - 3:2 VGA Landscape	640	430	716	480			3
	6 - VGA portrait	480	640	360	480	640	480	3
	7 - VGA landscape	640	480	640	480			3
	8 - WVGA-720 portrait	480	720	320	480	720	480	3
	9 - WVGA-720 landscape	720	480	720	480			3
	10 - WVGA-752 portrait	480	752	306	480	752	480	3
	11- WVGA-752 landscape	752	480	752	480			3
	12- WVGA-800 portrait	480	800	288	480	800	480	3
	13- WVGA-800 landscape	800	480	800	480			3
	14- WVGA-852 portrait	480	852	270	480	853	480	3
	15- WVGA-852 landscape	852	480	853	480			
	16- WVGA-853 portrait	480	853	270	480	853	480	3
	17- WVGA-853 landscape	853	480	853	480			4
	18- WVGA-854 portrait	480	853	270	480	853	480	3
	19- WVGA-854 landscape	854	480	853	480			
	20- WVGA-864 portrait	480	854	270	480	853	480	3
	21- WVGA-864 landscape	864	480	853	480			
	22- Reserved							
	23- NTSC landscape	720	240	640	480			3, 5
	24 - Reserved							
	25- PAL landscape	720	288	640	480			3, 5
	26 - nHD Portrait	360	640	270	480	853	480	3
	27 - nHD Landscape	640	360	853	480			
	28 - Reserved							
	29 - WVGA-854 Landscape input / VGA OUTPUT	854	480	640	480			3
	30-34 - Reserved							
	35- WVGA DMD Optical Test landscape	608 Dia	684 Dia	608 Dia	684 Dia			6
	OTHERS- RESERVED							

Yellow Highlighting indicates the displayed image does not fill the entire DMD.

All input resolutions and orientations listed above apply to both Parallel bus and CPU bus sources.