



Part Number	SSD1921	SSD1922	SSD1926	SSD1928
<b>Host MCU interface</b>				
Generic #1/2	√	√	√	√
MC68K 1/2	√	√	–	–
SH3/4	√	√	–	–
VZ328	√	√	–	–
6800 8/16 bit	√	√	–	–
8080 8/16 bit	√	√	√	√
<b>Internal RAM size</b>	256KB	256KB	256KB	256KB
<b>Camera / Video Interface (BT-656)</b>				
Camera I/F	√	√	–	√
Camera Resolution	2Mpx	2Mpx	–	2Mpx
I <sup>2</sup> C Master	√	√	–	√
YUV/raw Data Capture	√	√	–	√
Resize (view/capture)	√	√	–	√
<b>Display Feature</b>				
GC (SSD1906) Functions Support (Display Rotation, Color Invert; Multi-page Buffering; Color LUT; Overlay Window; 2 Hardware Cursors)	√	√	√	√
Color Depth	1,2,4,8,16,32 bpp	1,2,4,8,16,32 bpp	1,2,4,8,16,32 bpp	1,2,4,8,16,32 bpp
YUV <-> RGB	√	√	√	√
P-in-P+	√	√	√	√
Fractional Shrink	√	√	√	√
Fractional Zoom	√	√	√	√
Mirror Display	√	√	√	√
<b>Graphic Accelerations</b>				
JPEG Encoder	2Mpx	2Mpx	–	2Mpx
JPEG Decoder	Up to 16M (4K x 4K)	Up to 16M (4K x 4K)	Up to 16M (4K x 4K)	Up to 16M (4K x 4K)
JPEG Animation Frame Rate	196fps (240x160)	196fps (240x160)	196fps (240x160)	196fps (240x160)
Motion JPEG	√	√	√	√
BitBLT	√	√	√	√
Draw Lines	√	√	√	√
Draw Circles	√	√	√	√
Color Fill	√	√	√	√
Color Expansion	√	√	√	√
<b>Panels Support</b>				
Ramless Main LCD Interface				
4/8 bit STN	√	√	√	√
4/8 bit CSTN	√	√	√	√
16 bit CSTN	√	√	√	–
Parallel 9/12 bit TFT	√	√	√	–
Parallel 18/24 bit TFT	√	√	√	–
Serial 8 bit TFT	√	√	√	√
MCU Mode Main LCD Interface	–	–	√	√
Typical Resolution	320x240 / 16bpp	320x240 / 16bpp	320x240 / 16bpp	320x240 / 16bpp
Maximum Resolution / Color Depth	320x200 / 32bpp 800x600 / 2bpp	320x200 / 32bpp 800x600 / 2bpp	320x200 / 32bpp 800x600 / 2bpp	320x200 / 32bpp 800x600 / 2bpp
Sub-panel Support				
	–	(MCU mode)	–	–
<b>Miscellaneous</b>				
Clock Source	1 clock input	1 clock input	1 clock input	1 clock input
Power Save Mode	√	√	√	√
GPIO Pins	√	√	√	√
SD Card I/F	√	√	√	√
Core Voltage	1.8V +/- 10%	1.8V +/- 10%	1.8V +/- 10%	1.8V +/- 10%
Host I/O Voltage	3.3V +/- 10%	3.3V +/- 10%	3.3V +/- 10%	3.3V +/- 10%
Panel I/F Voltage	3.3V +/- 10%	3.3V +/- 10%	3.3V +/- 10%	3.3V +/- 10%
Package	144LQFP	144TFBGA	128LQFP	128LQFP