

■ LCD Controller Supporting Camera Interface

With the installation of a camera interface, this LCD controller can display camera images on the panel without placing load on the CPU. This product is most suitable for the display control of a wide variety of applications such as mobile terminals and security devices.

Product	CPU Interface Support	LCD Interface Support		Color Depth (Max.)	Internal Memory Capacity	External Memory Capacity	Camera (pixel)	JPEG Codec	Supply Voltage		Additional Features	Package
		TFT	Typical Resolution						Core	IO		
S1D13515F00A B00B	16-bit I/F, Direct addressing, Indirect addressing, Serial I/F	18-bit / 24-bit	XGA	16M colors	0	Up to 64MB SDRAM	0.3MP	n/a	1.65V to 1.95V	3.0V to 3.6V	Prewarping Embedded RISC CPU	QFP22-256 PBGA1UC256
S1D13719B00B	16-bit I/F, Direct addressing, Indirect addressing	18-bit / 24-bit	QVGA	16M colors	512KB, SRAM	n/a	2.0MP	Encode/Decode	1.65V to 1.95V	2.30V to 3.25V	2D BitBLT, SwivelView, SD memory card I/F	PFBGA10U-180

■ In-vehicle LCD Controller

In our line-up of display controller products, this controller complies with in-vehicle quality.

Product	CPU Interface Support	LCD Interface Support				Color Depth (Max.)	Internal Memory Capacity	External Memory Capacity	Camera (pixel)	JPEG Codec	Supply Voltage		Temperature Range	Additional features	Package
		Monochrome STN	Color STN	TFT	Typical Resolution						Core	IO			
S2D13513F01A	16-bit I/F, Direct addressing, Indirect addressing, Serial I/F,	8-bit	8-bit	18-bit	XGA	64 grayscale 256K colors	0	Up to 16MB SDRAM	0.3MP	n/a	1.65V to 1.95V	3.0V to 3.6V	-40 to +105°C	2D Sprite, 2D BitBLT	QFP22-208
S2D13513B01B	16-bit I/F, Direct addressing, Indirect addressing, Serial I/F,	8-bit	8-bit	18-bit / 24-bit	XGA	64 grayscale 16M colors	0	Up to 64MB SDRAM	0.3MP	n/a	1.65V to 1.95V	3.0V to 3.6V	-40 to +105°C	2D Sprite, 2D BitBLT	PBGA1UC256
S2D13515F00A B00B	16-bit I/F, Direct addressing, Indirect addressing, Serial I/F,	n/a	n/a	18-bit / 24-bit	XGA	16M colors	0	Up to 64MB SDRAM	0.3MP	n/a	1.65V to 1.95V	3.0V to 3.6V	-40 to +105°C	Prewarping Embedded RISC CPU	QFP22-256 PBGA1UC256
S2D13719F00A	16-bit I/F, Direct addressing, Indirect addressing	n/a	n/a	18-bit / 24-bit	QVGA	16M colors	512KB, SRAM	n/a	2.0MP	Encode/Decode	1.65V to 1.95V	2.3V to 3.6V	-40 to +105°C	2D BitBLT, SwivelView, SD memory card I/F	QFP22-208