

## Image Signal Processor

Category	Type No.	Process	Function	Package	
					No.
DPU	MN8355	CMOS	Display processor unit (DPU)	QFP084-P-1818	L72
EDPU	MN8510		High performance display processor unit (EDPU)	QFP124-P-2828	L80
HTP	MN8357		Half tone processor LSI for light-shade image 2-value conversion	QFP084-P-1818	L72
HTP	MN8354		For half tone processor ASIC	QFP084-P-1818	L72
HHTP	MN8361A		High-speed light-dark image 2-value conversion LSI (Half tone processor)	QFP084-P-1818	L72

## A/D, D/A Converters for Image Signal Processing

Category	Type No.	Process	Operating Voltage (V)	Function	Package	
						No.
A/D converter	MN6550B/S	CMOS	5	Resolution 7 bits, Conversion rate 15MSPS	DIP022-P-0400 SOP022-P-0375	L13/L37
	MN65531AS		5	Resolution 6 bits, Conversion rate 20MSPS, Clamp multiplexer built-in	SOP022-P-0375	L37
	▲MN65742		5	Resolution 6 bits ×2, Conversion rate 60MSPS	SOP028-P-0375	L40
	MN65543S		5	Resolution 8 bits, Conversion rate 15MSPS	SOP024-P-0375	L38
	MN655431SH		5.0/3.5	Resolution 8 bits, Conversion rate 15MSPS	SSOP024-P-0300	L39
	▲MN65751F		4.75/3.0	Resolution 8 bits, Conversion rate 30MSPS	TQFP032-P-0707	L45
	MN65752H		3.6/2.6	Resolution 8 bits ×2, Conversion rate 20MSPS	QFH048-P-0707	L51
	MN6576H		5.0/3.3	Resolution 9 bits, Conversion rate 16MSPS	QFH032-P-0707	L44
	MN65761T		3.6/2.6	Resolution 9 bits, Conversion rate 18MSPS	TQFP048-P-0707	L53
	MN6577H		3.0	Resolution 10 bits, Conversion rate 15MSPS	QFH048-P-0707	L51
	MN6577F		3.0	Resolution 10 bits, Conversion rate 15MSPS	TQFP048-P-0707	L53
	MN65771F		5.0/3.3	Resolution 10 bits, Conversion rate 18MSPS	QFH048-P-0707	L51
D/A converter	MN65523A/S	NMOS	5	Resolution 6 bits, Conversion rate 20MSPS	DIP016-P-0300C SOP022-P-0375	L9/L37
	MN6556A/S	CMOS	5	Resolution 8 bits, Conversion rate 20MSPS	DIP022-P-0400 SOP022-P-0375	L13/L37
	MN6557A/S		5	Resolution 10 bits, Conversion rate 30MSPS	DIP022-P-0400 SOP022-P-0375	L13/L37
	MN6559S		5	Resolution 6 bits ×3, Conversion rate 20MSPS	SOP028-P-0375	L40
	MN6570F		5	Resolution 8 bits ×3, Conversion rate 35MSPS	QFP044-P-1010	L50
	MN6570TF		5	Resolution 8 bits ×3, Conversion rate 40MSPS	QFP044-P-1010	L50
	MN6570EF		5	Resolution 8 bits ×3, Conversion rate 40MSPS	QFP044-P-1010	L50
	MN65701FHP		5	Resolution 8 bits ×3, Conversion rate 35MSPS	QFH048-P-0707	L51
	MN657011H		3.5	Resolution 8 bits ×3, Conversion rate 20MSPS	QFH048-P-0707	L51
	MN65702H		4.8/3.3	Resolution 8 bits ×3, Conversion rate 20MSPS, LPF, SYNC circuit built-in	QFH048-P-0707	L51
	MN657021F		3.0	Resolution 8 bits ×3, Conversion rate 27MSPS, SYNC circuit built-in	TQFP048-P-0707	L53
	MN65703T		5.0/3.1	Resolution 8 bits ×3, Conversion rate 20MSPS, LPF, SYNC circuit built-in	TQFP048-P-0707	L53
	MN6571K		5	Resolution 8 bits ×3, Conversion rate 31.5MSPS, Interpolation filter built-in	SDIP028-P-0400	L20

▲ Under development

(Package Symbol) DIP = Dual-In-Line Package, QFH = Quad Flat High Package, QFP = Quad Flat Package, SDIP = Shrunk Dual-In-Line Package, SOP = Small Outline Package (PANAFLET PACKAGE), SSOP = Shrunk Small Outline Package, TQFP = Thin Quad Flat Package