

# CCD Image Sensors

## ■ CCD Area Image Sensors (CCD Solid State Devices) — (1)

Size	Color or B/W	Type No.	Effective Pixel Count		Transfer System	System	S/N typ. (dB)	Saturation Output typ. (mV)	Sensitivity Color (F5.6) B/W (F8.0) typ.(mV)	Smear typ. (%)	Lag typ. (%)	V.Res typ. (TV)	H.Res typ. (TV)	Package				
			H	V											No.			
1/2"	Color	MN3735F	512	492	IT	NTSC	63	700	200	0.02	4.0	350	330	20-DIC(b)	C7			
		MN3745F	512	582		PAL	63	600	180	0.02	4.0	420	330	20-DIC(b)	C7			
		MN3737FE	682	492		NTSC	63	1500	550	0.01	0	350	430	20-DIC(b)	C7			
		MN3747FE	681	582		PAL	63	1300	500	0.01	0	420	430	20-DIC(b)	C7			
		MN3739F	512	492		NTSC	63	700	400	0.02	4.0	350	330	20-DIC(b)	C7			
		MN3749F	512	582		PAL	63	600	380	0.02	4.0	420	330	20-DIC(b)	C7			
		MN3751F	682	492	Q · FIT	NTSC	62	700	180	0.02	4.0	350	430	20-DIC(a)	C6			
		MN3761F	681	582		PAL	62	600	170	0.02	4.0	420	430	20-DIC(a)	C6			
		MN3752F	726	492		FIT	NTSC	62	1000	180	0.0008	0	350	450	20-DIC(c)	C8		
	MN3762F	716	582	PAL	62		800	170	0.0008	0	420	450	20-DIC(c)	C8				
	B/W	MN3735SC	512	492	IT	EIA	63	700	200	0.02	4.0	350	360	20-DIC(b)	C7			
		MN3745SC	512	582		CCIR	63	600	180	0.02	4.0	420	360	20-DIC(b)	C7			
		MN3751SK	682	492	Q · FIT	EIA	62	800	150	0.02	4.0	350	480	20-DIC(a)	C6			
		MN3761SK	681	582		CCIR	62	800	130	0.02	4.0	420	480	20-DIC(a)	C6			
		△MN3737AE	682	492	IT	EIA	63	1500	550	0.01	0	350	480	20-DIC(b)	C7			
		△MN3747AE	681	582		CCIR	63	1300	500	0.01	0	420	480	20-DIC(b)	C7			
		MN3752SK	726	492	FIT	EIA	62	1000	130	0.0008	0	350	530	20-DIC(c)	C8			
		MN3762SK	716	582		CCIR	62	800	100	0.0008	0	420	530	20-DIC(c)	C8			
1/3"		Color	MN3716FE	512	492	IT	NTSC	62	1400	500	0.005	0	350	330	16-DIC(b)	C2		
	MN3726FE		512	582	PAL		62	1200	450	0.005	0	420	330	16-DIC(b)	C2			
	MN3717FE		682	492	NTSC		62	1300	500	0.01	0	350	430	16-DIC(b)	C2			
	MN3727FE		681	582	PAL		62	1100	450	0.01	0	420	430	16-DIC(b)	C2			
	MN3718FE		771	492	NTSC		62	1200	460	0.01	0	350	480	16-DIC(b)	C2			
	△MN3728FE		753	582	PAL		62	1000	440	0.01	0	420	480	16-DIC(b)	C2			
	B/W	MN3716AE	512	492	EIA		62	1400	450	0.005	0	350	360	16-DIC(b)	C2			
		MN3726AE	512	582	CCIR		62	1200	430	0.005	0	420	360	16-DIC(b)	C2			
		MN3717AE	682	492	EIA		62	1300	400	0.01	0	350	480	16-DIC(b)	C2			
		MN3727AE	681	582	CCIR		62	1100	380	0.01	0	420	480	16-DIC(b)	C2			
		△MN3718AE	771	492	EIA		62	1200	350	0.01	0	350	550	16-DIC(b)	C2			
		△MN3728AE	753	582	CCIR		62	1000	330	0.01	0	420	550	16-DIC(b)	C2			
		1/4"	Color	▲MN3711FE	512		492	IT	NTSC	62	1000	400	0.01	0	350	330	16-DIC(b)	C2
				△MN3721FE	512		582		PAL	62	800	350	0.01	0	420	330	16-DIC(b)	C2
△MN3713FE (EIS)	858			614	NTSC	62	1000		400	0.02	0	350	430	16-DIC(b)	C2			
▲MN3723FE (EIS)	858			726	PAL	62	900		380	0.02	0	420	430	16-DIC(b)	C2			
B/W	▲MN3711AE		512	492	EIA	62	1000		350	0.01	0	350	360	16-DIC(b)	C2			
	▲MN3721AE		512	582	CCIR	62	800		300	0.01	0	420	360	16-DIC(b)	C2			
	▲MN3713AE (EIS)		858	614	EIA	62	1000		350	0.02	0	350	480	16-DIC(b)	C2			
	▲MN3723AE (EIS)		858	726	CCIR	62	900		320	0.02	0	420	480	16-DIC(b)	C2			
2/3"	B/W	MN3771SK	850	984	—	62	500	100	0.02	0	450	600	28-DIC(b)	C16				

[Symbol] Q-FIT Quasi-frame interline transfer system, FIT: Frame interline transfer system

△ Preliminary ▲ Under development

(Package Symbol) DIC = Dual-In-Line Ceramic Package