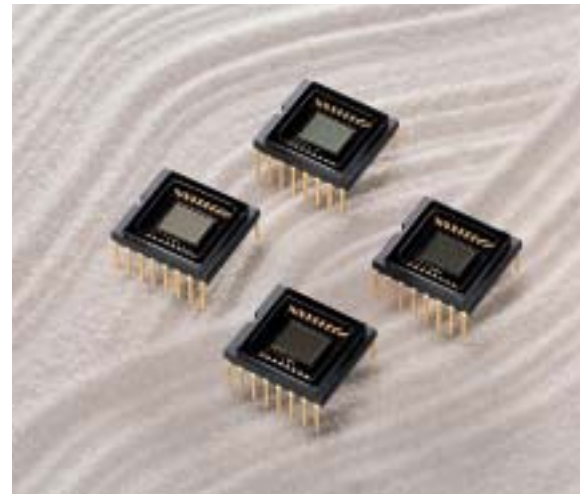


CCD Image Sensors for Security Cameras (Color and Black-and-White)

Overview

Providing a variety of CCD Color Image Sensors for the security camera application field that is expanding for diversified purposes. The industry's state-of-the-art technology employed ensures higher performance and expanded functions than those of conventional models, thus responding to a wide range of needs.



Features

Color

- Offering a lineup of models with 270k to 480k pixels in total
- High sensitivity, a wide dynamic range
- A newly developed plastic package employed

Black-and-White

- Offering a lineup of models with 270k to 480k pixels in total
- Unique on-chip micro lens
- High sensitivity, a wide dynamic range
- A newly developed plastic package employed

Specifications

Color

Part No.	Size	Nominal pixel count in total	Effective pixel count (*1) (H) (V)	Transfer mode	Format	Saturation output (*2) Typ. (mV)	Sensitivity (F8.0) Typ. (mV)	Package
MN39116KT	4.5 mm (Type-1/4)	270k	512 × 491	IT	NTSC	700	400	WDIP014-P-0400F
MN39216KT	4.5 mm (Type-1/4)	320k	512 × 581	IT	PAL	700	380	WDIP014-P-0400F
MN39143FT	6.0 mm (Type-1/3)	410k	771 × 492	IT	NTSC	800	450	WDIP016-P-0500C
MN39243FT	6.0 mm (Type-1/3)	480k	753 × 582	IT	PAL	800	450	WDIP016-P-0500C

Black-and-White

Part No.	Size	Nominal pixel count in total	Effective pixel count (*1) (H) (V)	Transfer mode	Format	Saturation output Typ. (mV)	Sensitivity (F8.0) Typ. (mV)	Package
MN39116AT	4.5 mm (Type-1/4)	270k	512 × 491	IT	EIA	900	650	WDIP014-P-0400F
MN39216AT	4.5 mm (Type-1/4)	320k	512 × 581	IT	CCIR	840	560	WDIP014-P-0400F
MN39143AT	6.0 mm (Type-1/3)	410k	771 × 492	IT	EIA	1400	750	WDIP016-P-0500C
MN39243AT	6.0 mm (Type-1/3)	480k	753 × 582	IT	CCIR	1400	750	WDIP016-P-0500C

(*1): The effective pixel count includes the transient pixels.

[Symbols] IT: Interline Transfer method

(*2): Carrier (color signal) saturation output