



CMOS CAMERA MODULES









CMOS Camera Module

Nippon Chemi-con's CMOS Camera modules are the best as any image input and sensing applications in order to low power consumption, excellent color reproduction and small module profile by using our optical and signal processing technologies.

◆Application example

Automotive products, Event data recorder, Intercom, Surveillance, Code reader, Biometrics ID, Sensing device

◆Outline of product specification

| Active Pixels | Part Number | Module Size | Lens | | Optical Format | Feature |
|-------------------------------------|---|---|----------------------------------|---------------------|----------------|---|
| | | | Element | HFOV | | |
| VGA (640H×480V) | NCM03-V NCM03-S NCM03-W2  (NCM03-V) | 8.4×11.8×5(*1) 13×21×11.6(*1) 16×20×12.3(*1) | 3Plastic 2Plastic 4Plastic | 55° 105° 135° | 1/4" | <ul style="list-style-type: none"> • Max 30fps • Mirroring • Auto Exposure • Auto White Balance • Flicker Control |
| VGA (640H×480V) NTSC Output | NCM03-ZB Under development  | 23×23×22(*2) | 2Glass 3Plastic | 135° | 1/4" | <ul style="list-style-type: none"> • NTSC Output • Wide Dynamic Range(108db) • Mirroring • Auto Exposure • Auto White Balance • Flicker Control |
| WVGA (752H×480V) | NCM03-CB  | 20×15×18(*1) | 2Glass 3Plastic | 86° *3 | 1/3" | <ul style="list-style-type: none"> • RAW data Output • Global Shutter • Max 60fps • Mirroring • Auto Exposure • Auto White Balance |
| WXGA(HD) (1280H×800V) | NCM10-B  | 18×18×20.5(*1) | 2Glass 3Plastic | 110° | 1/3" | <ul style="list-style-type: none"> • Max 30fps • Wide Dynamic Range(115db) • Mirroring • Auto Exposure • Auto White Balance • Flicker Control |
| SXGA (1280H×1024V) | NCM13-M NCM13-K NCM13-K2  (NCM13-M) | 10.2×13.5×6.9(*1) 16×20×11.1(*1) 16×20×14(*1) | 3Plastic 4Plastic 5Plastic | 55° 135° 190° | 1/4" | <ul style="list-style-type: none"> • Max 15fps • Mirroring • Auto Exposure • Auto White Balance • Flicker Control |
| UXGA (1600H×1200V) | NCM20-D  | 10.2×16×5.5(*1) | 3Plastic | 55° | 1/4" | <ul style="list-style-type: none"> • Max 15fps • Mirroring • Auto Exposure • Auto White Balance • Flicker Control |
| VGA(640H×480V) USB Camera Module | NCM-USB-03D(55) NCM-USB-03D(105)  | 15×40×6 15×40×12 | 3Plastic 2Plastic | 55° 105° | 1/4" | <ul style="list-style-type: none"> • USB2.0 • USB Video Class1.0 • Windows XP(SP2)~ Windows 10 • USB Bus Power(5.0±0.5V) |
| USB Output Interface Board | NCM-USB-C NCM-USB-E  | 20×37×5 | It supports each camera | | | |

- *1 FPC part is not included
- *2 Cable part is not included
- *3 Setting of 640×480