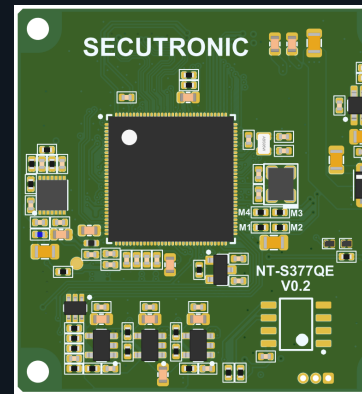
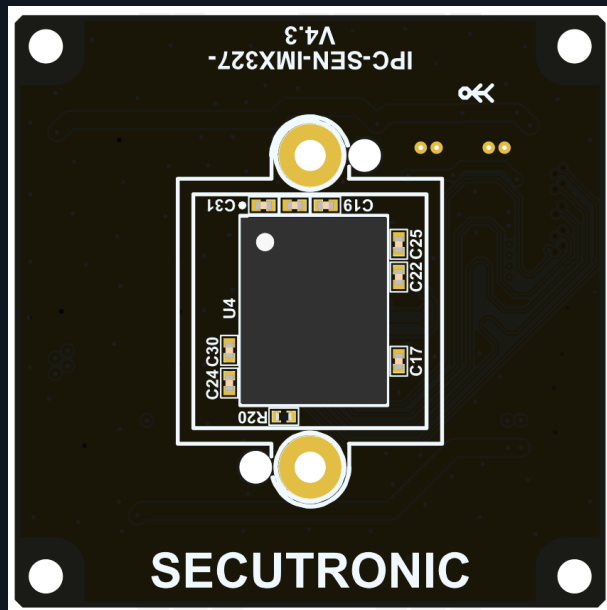
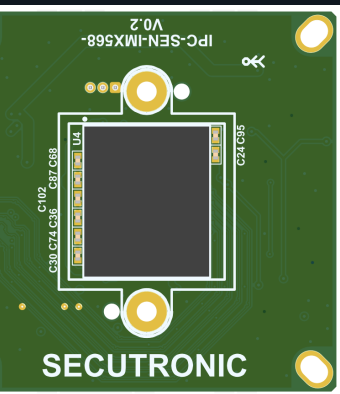


Secutronic  
Limited

# SOLUTION CATALOG

## “BOARDS”



# Engineering Profile

[ Embedded intelligence ] [ From prototype to mass production ] [ PCB design ]

[ Custom firmware development ] [ Embedded Linux solutions ]

**15+**

Years engineering  
experience

**100+**

PCB designs completed

**50+**

Firmware projects  
delivered

**30+**

OEM/ODM partners

[ ARM SoC integration ] [ Embedded Linux BSP ] [ Multi-layer PCB ]

[ Hardware-accelerated video codec ]

# Index Architecture

## Chipset boards

system brain, ARM-based SoC platforms, video processing, communication interfaces and Embedded Linux

[ NT-S339G-R-V4.3 ]

[ NT-S379 V0.2 ]

[ NT-S377QE V0.2 ]

## Sensor boards

Optical modules, direct integration with main boards, support for motorized objects and IR filters

[ IMX327 ]

[ IMX335 ]

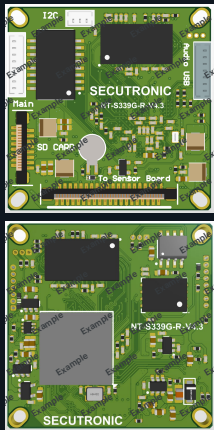
[ IMX568 ]

[ IMX662 ]

[ IMX675 ]

# Chipset boards

Computing platforms for industrial vision and video surveillance systems. Optimized to work with Embedded Linux, hardware acceleration of H.264/H.265 codecs and IP video protocols (RTSP, ONVIF).



TYPE: CHIPSET BOARDS

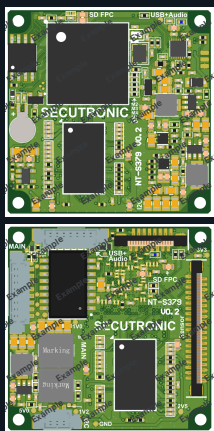
## Model: NT-S339G-R-V4.3

|                     |                              |
|---------------------|------------------------------|
| System interfaces   | MAIN, I2C                    |
| Peripherals         | SD CARD slot, audio USB port |
| Sensory integration | Sensor Connector             |
| Power buses         | 12V, 5V3, 3V3, 2V5, 1V2, 1V0 |

ARM architecture

Secure boot

Edge AI processing



TYPE: CHIPSET BOARDS

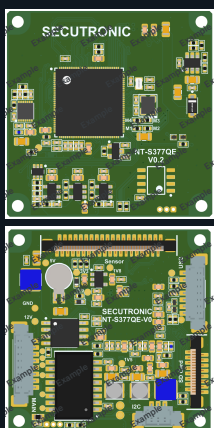
## Model: NT-S379 V0.2

|                     |                                                |
|---------------------|------------------------------------------------|
| System interfaces   | MAIN, I2C                                      |
| Peripherals         | SD FPC connector, combined USB+Audio interface |
| Sensory integration | Sensor Connector                               |
| Power buses         | 12V, 5V3, 3V3, 2V5, 1V2, 1V0                   |

Embedded Linux

Hardware-accelerated codec

TCP/IP network



TYPE: CHIPSET BOARDS

## Model: NT-S377QE V0.2

|                     |                              |
|---------------------|------------------------------|
| System interfaces   | MAIN, I2C                    |
| Peripherals         | SD CARD slot, audio USB port |
| Sensory integration | Sensor Connector             |
| Power buses         | 12V, 5V, 3V3, 1V8, 1V5, 1V0  |

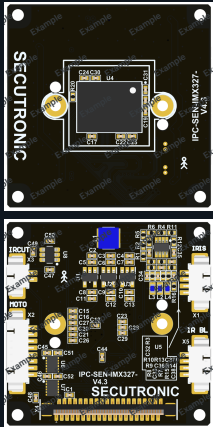
Multi-layer PCB

EMC optimized

Industrial grade

## Sensor boards

Image capture modules. Designed for seamless integration with Secutronic core boards. Equipped with standardized ports for controlling motorized lenses (MOTO), IRIS and infrared filters (IRCUT/IR BL).



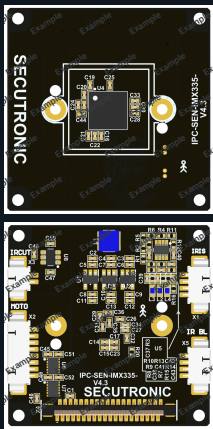
TYPE: SENSOR BOARDS

### Model: IPC-SEN-IMX327-V4.3

|                    |                                                        |
|--------------------|--------------------------------------------------------|
| Optical sensor     | IMG327 series                                          |
| Control interfaces | IRIS (aperture control), MOTO (motorized lens control) |
| Infrared control   | IRCUT, IR BL                                           |
| System connector   | High-speed cable to the main board                     |

Real-time inference ready

Signal integrity optimized



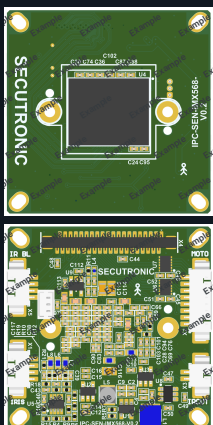
TYPE: SENSOR BOARDS

### Model: IPC-SEN-IMX335-V4.3

|                  |                                                                                  |
|------------------|----------------------------------------------------------------------------------|
| Optical sensor   | IMG335 series                                                                    |
| Peripheral ports | X1: IRIS<br>X2: MOTO<br>X3: IRCUT<br>X4: connector to the processor<br>X5: IR BL |

High-performance capture

Precision Layout



TYPE: SENSOR BOARDS

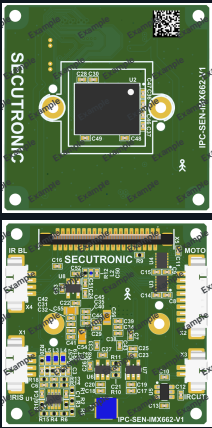
### Model: IPC-SEN-IMX568-V0.2

|                     |                                                 |
|---------------------|-------------------------------------------------|
| Optical sensor      | IMG568 series                                   |
| Hardware interfaces | IRIS, MOTO, IRCUT, IR BL                        |
| Construction        | Thermal performance optimized, compact topology |

DFM optimized

Industrial vision

# Sensor boards



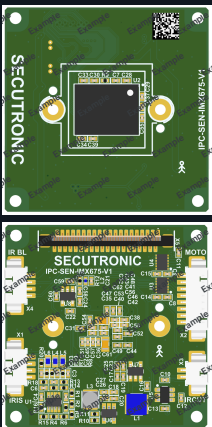
TYPE: SENSOR BOARDS

## Model: IPC-SEN-IMX662-V1

|                 |                                                               |
|-----------------|---------------------------------------------------------------|
| Optical sensor  | IMG662 series                                                 |
| Interface group | IRIS, MOTO, IRCUT, IR BL                                      |
| Integration     | Standardized 5-port design to unify assembly on OEM/ODM lines |

OEM/ODM ready

Standardized topology



TYPE: SENSOR BOARDS

## Model: IPC-SEN-IMX675-V1

|                 |                                                |
|-----------------|------------------------------------------------|
| Optical sensor  | IMG675 series                                  |
| Interface group | IRIS, MOTO, IRCUT, IR BL                       |
| Connection      | Main data connector with high signal integrity |

Advanced analytics ready

High-speed interface

| INDEX MAP                          |  | SENSOR BOARDS |     |     |     |     |
|------------------------------------|--|---------------|-----|-----|-----|-----|
| CHIPSET BOARDS                     |  | 327           | 335 | 568 | 662 | 675 |
|                                    |  |               |     |     |     |     |
| NT-S339G-R-V4.3<br>(USB Audio, SD) |  |               |     |     |     |     |
| NT-S379 V0.2<br>(extended power)   |  |               |     |     |     |     |
| NT-S377QE V0.2<br>(compact design) |  |               |     |     |     |     |

# Engineering inquiry

Start your engineering project. Contact our team to discuss requirements for embedded systems and firmware development.

## Secutronic Limited



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