Weather satellite detectors from SWIR to VLWIR (1 μm – 14.5 μm)

MTG FCI Imager
- 4 types of detectors covering all the IR waveband from 1.3 μm up to 14 μm

MTG IRS Sounder
- 2 types of detectors covering all the IR waveband from 3.3 μm up to 14.7 μm

1 Flight Model = 4
- NIR
- IR1
- IR2
- IR3

112, 224 or 448 pixels per channel

1 Flight Model = 2
- Large bandwidth application
- MWIR
- LWIR / VLWIR

Large Format detector (15x15 mm)

>30 IR DETECTORS "IN SPACE"
- Venus Express
- Spirale
- Phobos-Grunt
- Hayabusa
- Sentinel 2A
- Sentinel 2B
- Sentinel 2D
- Exomars

70 flight Models already delivered

UNIVERSE APPLICATIONS
- Earth Observation
- Communications & Control
- Planetary Exploration
- National Space

Technical characteristics described in this data sheet are for information only. They are not contractual and may change without prior notice.

Exclusive Distributor - North America
SOFRADIR-EC
373 Route 46W, Fairfield, NJ 07004 USA
Phone: 973-882-0211 Fax: 973-882-0997
Email: info@sofradir-ec.com
www.sofradir-ec.com
From VISIR to SWIR (0.4 μm – 2.5 / 3 μm)

**NEPTUNE / SATURN**
For SWIR hyperspectral imaging and spectroscopy
500x256 / 1000x256 - 30 μm

| Spectral band | 0.4 – 2.5 μm
| 0.9 – 2.5 μm
| Extension possible on request
| Available detector configuration | Active or passive cooler

**ON BOARD:**
- Prisma
- HYSUI
- Tropomi
- GISAT

**NEPTUNE**
500x256 - 30 μm

| Spectral band | 1 – 5 μm
| Available detector configuration | Active cooler

**ON BOARD:**
- Chandrayaan 2

**NGP**
1024x1024 - 15 μm

| Spectral band | 0.4 – 2.5 μm
| 0.9 – 2.5 μm
| Extension possible on request
| Available detector configuration | Passive cooling

**ON BOARD:**
- Sentinel-5
- Microcarb

**SCORPIO**
640x512 - 15 μm

| Spectral band | 2 – 5 μm
| Customization between 1 – 5 μm on request
| Available detector configuration | Active cooling

**ON BOARD:**
- Exomars / Nomad

**SENTINEL-2**
3 bands 1298x1 or 2 bands - 15 μm

| Spectral band | 2 bands to be selected between 0.9 – 2 μm
| 1 band to be selected between 0.9 – 2.5 μm
| Available detector configuration | Passive cooling

**ON BOARD:**
- Sentinel-2A
- Sentinel-2B
- Sentinel-2C
- Sentinel-2D

**MARS**
320x256 - 30 μm

| Spectral band | 7 – 13.5 μm
| Customization between 7 – 15 μm on request
| Available detector configuration | Active cooling

**ON BOARD:**
- Sentinel-5
- Microcarb
- Exomars / ACS MIR
- GISAT

From MWIR to VLWIR (3 μm – 15 μm)

**MARS**
320x256 - 30 μm

| Spectral band | 2.2 – 4.3 μm
| Customization between 1 – 5 μm on request
| Available detector configuration | Active cooling

**ON BOARD:**
- Venus Express
- Exomars / Nomad
- Exomars / ACS MIR
- GISAT