



# IDEAS (Integrated Detector Electronics AS)

Norway · founded 1992 · [ideas.no](http://ideas.no)

---

17

PRODUCTS

---

[newspacemarket.com/companies/integrated-detector-electronics/](https://newspacemarket.com/companies/integrated-detector-electronics/)

as of 20 August 2026

A large, faint, stylized graphic of an eye or a camera lens is positioned in the background on the right side of the page. It consists of a central circle surrounded by concentric arcs, resembling a stylized iris or lens.

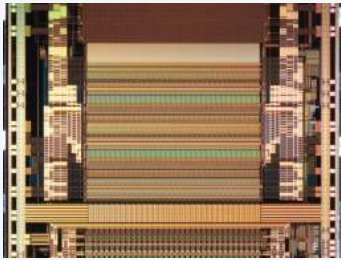
## IDEAS (Integrated Detector Electronics AS)

---

IDEAS is a Norwegian fabless semiconductor company founded in 1992 by scientists and engineers from CERN and the University of Oslo, specializing in custom application-specific integrated circuits (ASICs) for the readout of radiation detectors and image sensors. The company designs low-noise, radiation-tolerant/rad-hard ICs, radiation detection modules, and infrared imaging front-end electronics for space, scientific, medical, industrial, and defense applications. IDEAS has contributed to over 25 space missions in partnership with agencies including ESA, NASA, and JAXA, with flight heritage dating back to NASA's AMS-1 mission (1997) and the SWIFT satellite (2004). The company positions itself as 100% European design, with over 30 years of applied-physics and detector-instrumentation expertise.

This profile is generated from the live NewSpace Market catalogue. Specifications are as published by the manufacturer; every product links to a page where a request for quotation reaches the company directly.

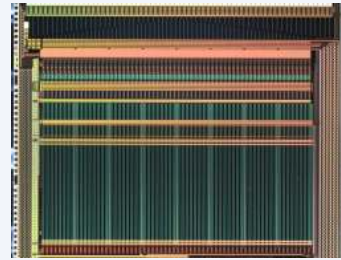
# Product catalogue



## IDEAS (INTEGRATED DETECTOR ELECTRONICS AS) CA3

The CA3 is an ASIC with 32/64-channels for energy resolved single-photon counting optimized for CZT/CdTe detectors.

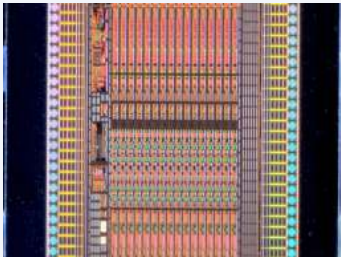
price on request



## IDEAS (INTEGRATED DETECTOR ELECTRONICS AS) IDE1140

The IDE1140 (previously VA140) is a 64 channel low-noise/low power high dynamic range charge sensitive preamplifier-shaper circuit, with simultaneous sample and hold, multiplexed a

price on request



## IDEAS (INTEGRATED DETECTOR ELECTRONICS AS) IDE1180 AMADEUS

The IDE1180 is an application specific integrated circuit (ASIC), which has been designed for the front-end readout of multi-channel plates (MCPs).

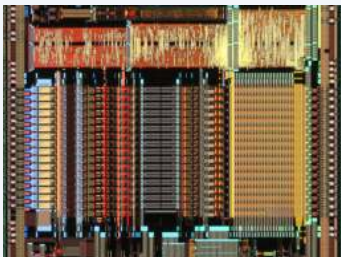
price on request



## IDEAS (INTEGRATED DETECTOR ELECTRONICS AS) IDE3160

The IDE3160 (previously VATA160) is an application specific integrated circuit (ASIC), which has been designed for the front-end readout of photomultiplier tubes coupled to scintil

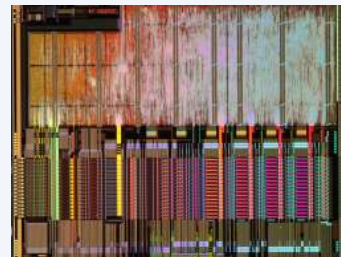
price on request



## IDEAS (INTEGRATED DETECTOR ELECTRONICS AS) IDE3380 SIPHRA

The IDE3380 is an integrated circuit (IC) for the readout of photon detectors, such as photomultiplier tubes (PMTs), silicon photomultipliers (SiPMs), and multi-pixel photon counte

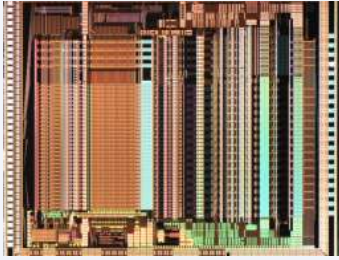
price on request



## IDEAS (INTEGRATED DETECTOR ELECTRONICS AS) IDE3381 APOCAT

IDE3381 APOCAT – ROIC for high-rate, high-resolution x-ray and gamma-rayspectroscopy with scintillators and PMTs or SiPMs, operating in space and for solar missions.

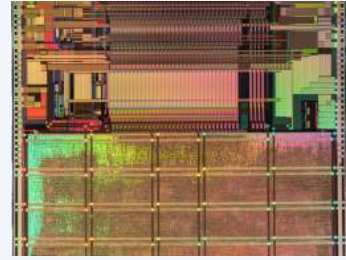
price on request



**IDEAS (INTEGRATED DETECTOR ELECTRONICS AS)**  
**IDE3465**

20-channel charge sensitive preamplifier-shaper circuit with a total of 37 digital logic trigger outputs and one analog multiplexer output for pulse heights.

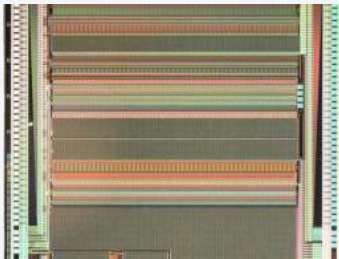
price on request



**IDEAS (INTEGRATED DETECTOR ELECTRONICS AS)**  
**IDE3466**

The IDE3466 (also VATA466) is an application specific integrated circuit (ASIC), which has been designed for the p-side readout of silicon detectors for charged particles.

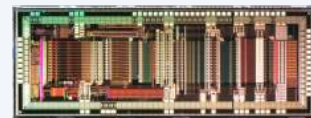
price on request



**IDEAS (INTEGRATED DETECTOR ELECTRONICS AS)**  
**IDE4184**

The IDE4184 is an application specific integrated circuit (ASIC), which has been designed for the readout of CdTe/CZT radiation detectors.

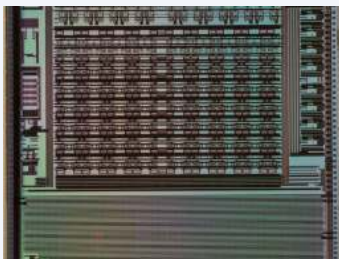
price on request



**IDEAS (INTEGRATED DETECTOR ELECTRONICS AS)**  
**IDE4281**

12-channel charge-sensitive preamplifier-shaper circuit with programmable peaking time from 0.75  $\mu$ s to 4  $\mu$ s and current compensation on each input.

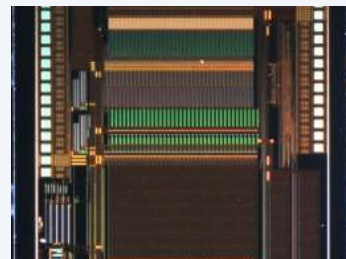
price on request



**IDEAS (INTEGRATED DETECTOR ELECTRONICS AS)**  
**IDE8420 NIRCA MkII**

NIRCA MkII is an integrated circuit (ASIC) for reading out infrared focal plane arrays for Earth observation from space.

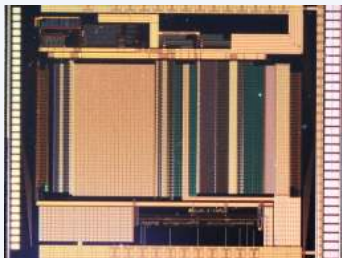
price on request



**IDEAS (INTEGRATED DETECTOR ELECTRONICS AS)**  
**VA32HDR14.2**

32-channel and high dynamic range charge sensitive preamplifier-shaper circuit, with sample and hold, multiplexed analog readout and calibration facilities

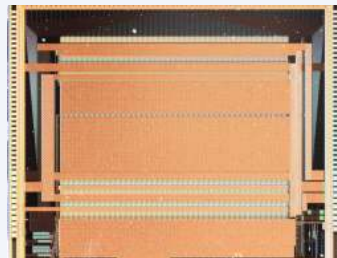
price on request



IDEAS (INTEGRATED DETECTOR ELECTRONICS AS)  
**VA32HDR14.3**

33-channel and high dynamic range charge sensitive preamplifier-shaper circuit, with sample and hold, multiplexed analog readout and calibration facilities.

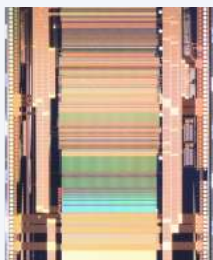
price on request



IDEAS (INTEGRATED DETECTOR ELECTRONICS AS)  
**VASCM3.2**

The VASCM3.2 is a 128 channel low-noise/low power current sensitive preamplifier-filter circuit, with two-channel alternating sample and hold.

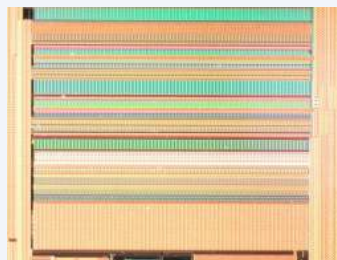
price on request



IDEAS (INTEGRATED DETECTOR ELECTRONICS AS)  
**VATA64HDR16.2**

The VATA64HDR16.2 is a 64-channel charge sensitive amplifier for SiPM read-out.

price on request



IDEAS (INTEGRATED DETECTOR ELECTRONICS AS)  
**VATAGP7.1**

128-channel general-purpose charge-sensitive amplifier. Each channel features buffered preamplifiers, a shaper with sample/hold, multiplexed analogue readout and calibration facilities.

price on request



IDEAS (INTEGRATED DETECTOR ELECTRONICS AS)  
**VATAGP8**

The VATAGP8 is an integrated circuit that allows one to measure the charge from radiation sensors.

price on request

## Contact IDEAS (Integrated Detector Electronics AS)

Open the company profile on NewSpace Market to see full specifications and datasheets, and to send a request for quotation that reaches the manufacturer directly.

<https://newspacemarket.com/companies/integrated-detector-electronics/>

<https://ideas.no>

© 2026 IDEAS (Integrated Detector Electronics AS) — product data. Document compiled by NewSpace Market from the live catalogue on 20 August 2026. May be shared freely.