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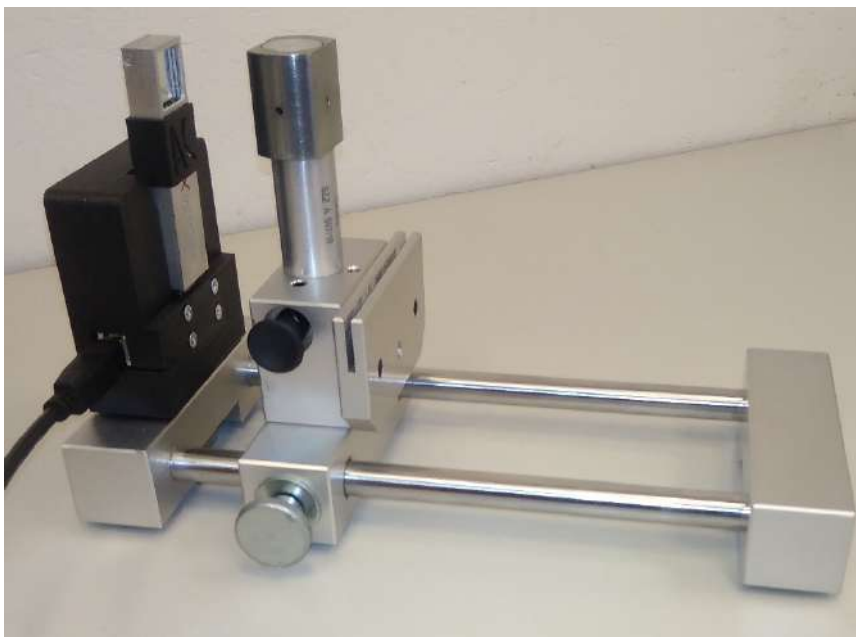
<https://medipix.web.cern.ch/>



ADVACAM
Imaging the Unseen

Advacam s.r.o.
U Pergmanky 12, 170 00,
Prague, Czech Republic
<https://advacam.com/>

SESTRA Kit Based on MiniPIX-EDU



The **MiniPIX EDU** is a miniaturised and low power solution of a radiation camera with single particle counting (or particle tracking) detector Timepix.

Main Features

- | | |
|------------------------------|----------------------|
| • Readout chip type | Timepix |
| • Pixel size | 55 × 55 μm |
| • Sensor resolution | 256 × 256 pixels |
| • Dynamic range in one frame | 11,082 |
| • Dark current | none |
| • Interface | USB 2.0 (Full-Speed) |
| • Maximum frame rate | 55 fps |
| • Dimensions | 88.9 × 21 × 10 mm |
| • Weight | 30 g |



<https://advacam.com/camera/minipix-edu>

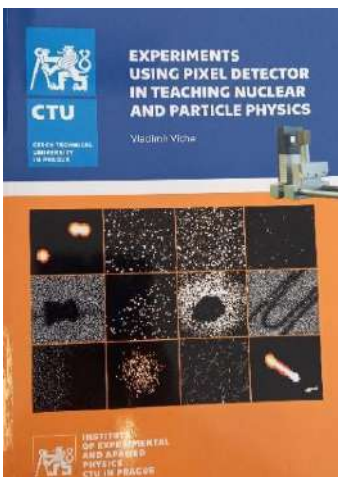
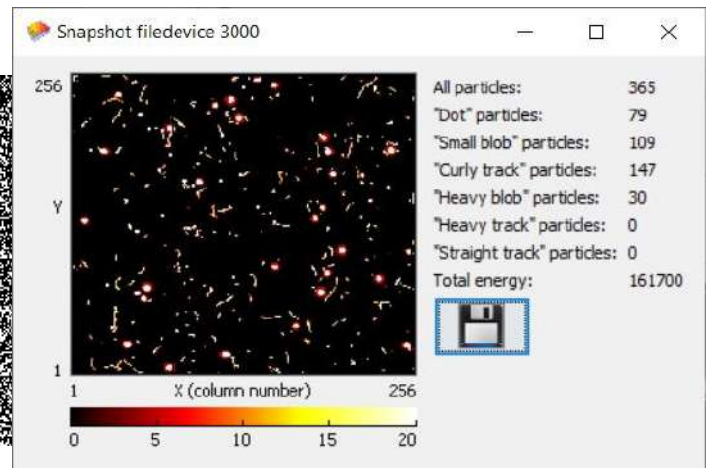
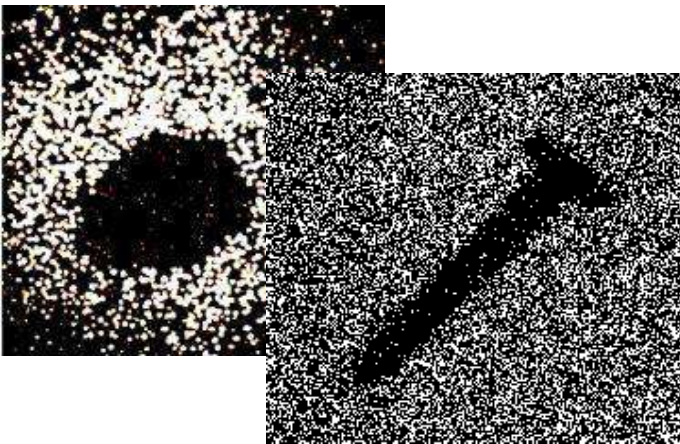
SESTRA

School Education Set with Timepix for Radiation Analysis



Kit Components

- Particle Camera MiniPIX EDU with Timepix detector
- Software (acquisition, online visualisation, etc.)
- SZZ Alfa (^{241}Am , α and γ source, 9.5 kBq)
- DZZ Gamma (^{241}Am , γ source, 300 kBq, *optional*)
- Potassium Salt (β and γ source)
- Thoriated Tungsten Electrode (α , β and γ source)
- Uranium Glass (α , β and γ source)
- Mounting Rails
- Source Holder
- Camera Holder
- Aluminium, Stainless, Copper, Brass and Lead Plates
- Radiography Adapter Head and Samples with Hidden Patterns
- Vacuum Cleaner Grate Adapter
- Transport Case
- USB Cable



Guidelines to more than 50 experiments practicable with a pixel detector

Vladimír Vicha

Experiments Using Pixel Detector in Teaching Nuclear and Particle Physics

CTU in Prague, Prague, Czech Republic 2017, ISBN 978-80-01-06108-4

<http://www.utef.cvut.cz/outreach-and-education>

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