



## RasPIX – Wireless stand -alone radiation camera

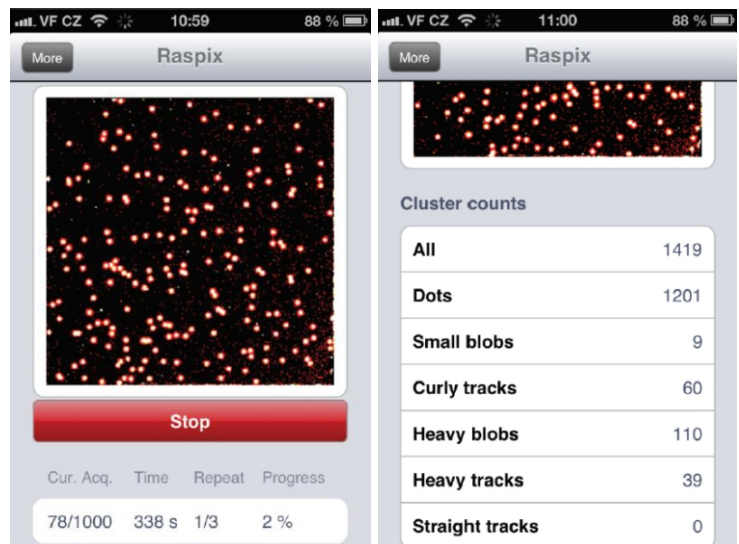
RasPIX is a versatile radiation camera with an excellent connectivity. The device employs a state-of-art Timepix sensor developed in CERN. RasPIX can work fully autonomously being remotely controlled via Wi-Fi or it can operate locally in the PC network.

Its ability to recognize individual particles and recognize their energies can be exploited for radiation monitoring ( $\alpha$ ,  $\beta$ ,  $\gamma$ ), imaging or tracking. The device can be used for X-ray or neutron imaging as well.



### Key features

- ✓ Stand-alone data acquisition
- ✓ 100 Mbit Ethernet / Wi-Fi connection
- ✓ Controllable by cell phones and PC via web interface
- ✓ SD card storage, integrated FTP server
- ✓ Power supply and data in a single Ethernet cable
- ✓ Additional battery pack (4.5 h of operation)



### WARNING



RasPIX is not a certified dosimetric device. It serves as the first level indicator and monitor of radiation fields allowing identification of radiation type. Radiation protection of people cannot be based on measurements of RasPIX.

<クリチュール社代理店>

テガサイエンス株式会社

〒277-0832 千葉県柏市北柏3-5-4

TEL: 04-7168-5311 FAX: 04-7168-5671

www.tegascience.co.jp

info@tegascience.co.jp

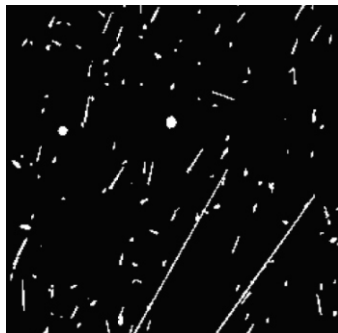




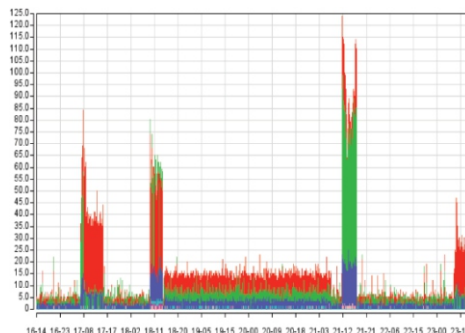
RasPIX 1.0 Technical specification	
Sensor	Timepix
Image resolution	256 x 256
Pixel size	55 x 55 $\mu\text{m}^2$
Sensor size	14.1 x 14.1 $\text{mm}^2$
Max. frame rate *	2 fps (Wi-Fi), 15 fps (Ethernet)
Interface	Wi-Fi, Ethernet
Software	Included
Power supply	5 V or 12-50 V
Power consumption	5 W
Dimensions (L x W x H)	97 x 65 x 35 (mm)
Weight	275 g
Temperature range	0-70 °C
Humidity	60 % (non-condensing)

## Main applications

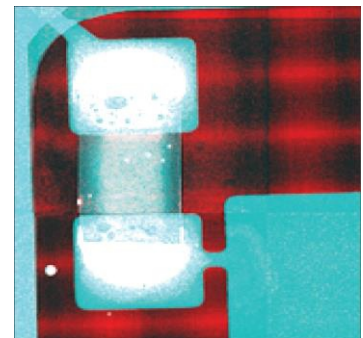
### Particle tracking



### Radiation monitoring



### X-ray color imaging



Powered by

WIDE PIX®



<クリチュール社代理店>

テガサイエンス株式会社

〒277-0832 千葉県柏市北柏3-5-4

TEL: 04-7168-5311 FAX: 04-7168-5671

www.tegascience.co.jp

info@tegascience.co.jp

