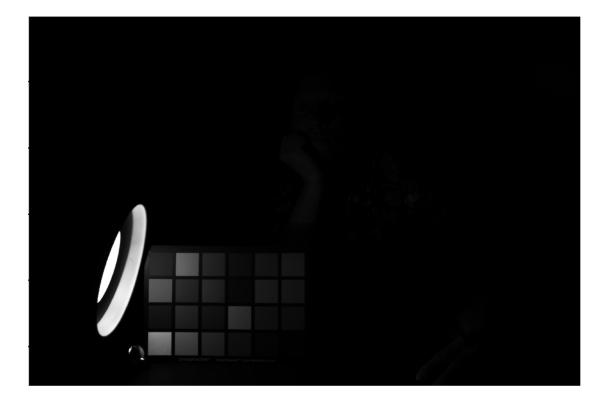


CMOS Silicon Photomultipliers new





- 1 standard 8 bit image;
- 2 image with enhanced DR (120dB)*

Acknowledgment

DESCRIPTION

Technique aimed at enhancing the Dynamic Range (DR) of a CMOS imager. It is suitable to be implemented in a CMOS image sensor. The proposed method is programmable thus tunable over a wide range of applications.

SPECIFICATIONS

- DR extension up to 120dB

ADVANTAGES & APPLICATIONS

• Surveillance.

STATUS

- Simulation results
- TRL 5 technology validated in relevant environment (industrially relevant environment in the case of key enabling

*Mark Fairchild's HDR Photographic Survey

RIFERIMENTI E LINK

Reference person:

Massimo Gottardi

Tel. 0461314535

e-mail: gottardi@fbk.eu

Research Unit IRIS: iris.fbk.eu

Research Center CMM: cmm.fbk.eu



KTA – Knowledge Transfer Area E-mail: kta@fbk.eu Web: kta.fbk.eu

technologies)

• Patent pending