

Highlights of Smartphone Camera-based Gamma Dose Rate Meter

- Smart phone camera powered by an Android based image analyzing application turns smartphone camera into Gamma Radiation Monitor
- Ideal for use by first responders to detect suspected Orphan Sources/Dirty bomb in the absence of a conventional Radiation detector
- Cluster Counting and High Delta Algorithm for dose rate measurement
- Cluster Counting algorithm gives quick measurement, within few seconds for radiation level above 100 mGy/h (MDA for Cs-137 is 35 Ci at a distance of 1 meter)
- High Delta Algorithm gives measurement in approximately four minutes for dose rate in the order of 100 μ Gy/h (MDA for Cs-137 is 35 mCi at a distance of 1 meter)
- 'Online analysis' and 'offline analysis' modes including the 'capture images' feature catering to different use scenarios