

Planacon Detectors

DETECT
MORE
PHOTONS



Get more photons

The Planacon family of photon detectors combines the sensitivity and low noise of an MCP-PMT detector with a square shape that provides superior photon counting and excellent uniformity. Planacon detectors are ideal for photon-starved, high-speed and high-energy photon counting applications such as fluorescence imaging, physics research or medical imaging. With Planacon detectors from Photonis, you will be the first to uncover the next critical breakthrough.





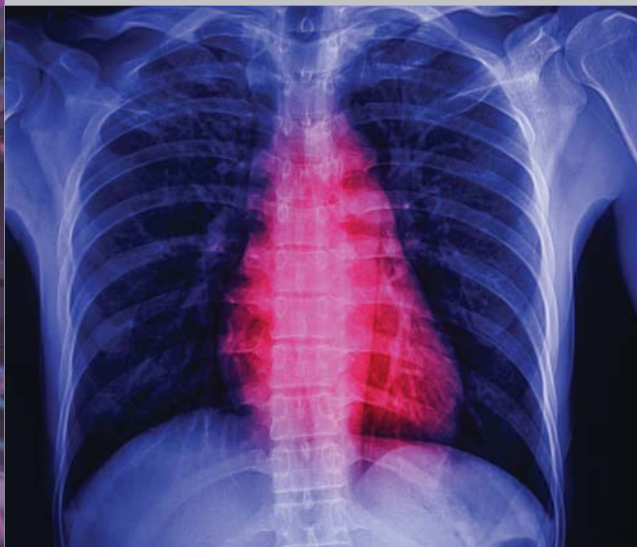
Versatile Square Shape

The square shape of the Planacon detectors allow for multiple detectors to be tiled together to form a larger image plane. For applications requiring a smaller detector such as medical imaging, a miniature sized version is available, providing nearly identical performance while implementing SWaP requirements.



Miniature Planacon

-  **Specialized Medical Imaging**
-  **Space Exploration**
-  **Cherenkov Detection - RICH, TOF, TOP, DIRC**
-  **Homeland Security (LIDAR)**
-  **High Energy Physics Research**



Unique Features

Planacon detectors provide superior immunity from magnetic influence, up to 2 Tesla and can be equipped with a miniature USB power supply, enabling you to start your research even faster. These features make Photonis Planacons an ideal detector in specialized medical imaging devices or in high energy physics research. Planacons are also used for space applications, as the detectors are radiation hard and the dual chevron-configured microchannel plates provide highly efficient and high speed detection in light-starved conditions.

Custom Performance

Planacon detectors are easily customizable to match your specific application requirements. They are offered in two sizes, 53 or 25 mm square active areas, and can be fitted with 10 or 25 μm microchannel plates (MCPs). Planacons can also be equipped with a Hi-QE photocathode, which boosts spectral response by as much as 50% over traditional S20 or S25 photocathodes. A variety of anodes and external connections are available upon request.



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