



AERONAUTICA

The digital cameras Phantom V4.1 e V4.2 have been used onboard Tornado and Eurofighter aircrafts since 2001 for safe separation purposes - that is, bombs and tanks release/jettison and missiles relese/firing. They have been exposed to acceleration up to 5 g(z) and velocity up to 1.6 mach.



The cameras have been installed into two camera pods located at each wing's tip (Tornado) or underfuselage/underwing (Eurofighter). Camera pods have been specifically designed to house and protect the cameras though they have not been condition

ed in any way; Eurofighter uses two modified 1000 litres tanks as camera pods.

On Eurofighter we've also experienced open-air installation for Phantom V4.1 cameras with 90 degree head; it consists of a bracket which fixes the camera to a AIM-9L missile and a fairing which protects it against the windflow.



This particular installation caused the camera to sustain high levels of acceleration - low frequency acceleration due to wing flutter and high frequency acceleration due to aircraft structure vibration - and quite low temperature (about -40°C at 8000m).

