# eurogrip
YOUR EYE FOR MOVEMENT

REDSPY

RedSpy is a new product from stYpe's workshop. RedSpy is high performance, low-cost optical tracking solution that can be used on any camera, regardless of is it used on pedestal, dolly, crane, steadycam or handheld.

RedSpy is mostly used in indoor environments on the events such as sport shows, presentations, launch events, game shows... But it can also be used outside on events without performance degradation if reflective markers are put on a floor.
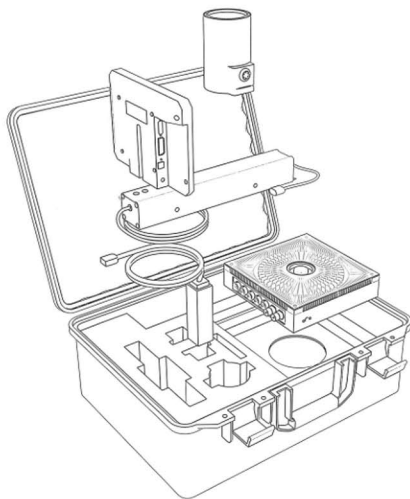
Camera & Sensor Unit

SIZE
6.3 cm (φ) x 10 cm (h)

WEIGHT
0.35 kg

Controller Board Unit

SIZE
22 cm (w) x 22 cm (l) x 4 cm (h)

WEIGHT
1.5 kg

Package in Hard case

SIZE
55 cm (w) x 40 cm (l) x 25 cm (h)

WEIGHT
9.3 kg

specs

🕐	**Installation Time**	Time needed to install the markers + 6 seconds per each m2 (or each 10 ft2) of space covered for accurate measurement of markers position
⊕	**Recalibration Time**	Automatic, 20 seconds after power on
📄	**Data Delay**	1 Field (16.7 ms for NTSC or 20 ms for PAL systems)
🖥	**User Interface**	Simple graphical touch screen user interface
	Data Connection	Serial or UDP connection. For steadicam operation data is sent wirelessly
📹	**Data Recording**	Data recording is supported for post-processing requirements
◎	**Supported Lenses**	Canon digital (cable); Fujinon digital (cable); Other lenses supported with external encoders
🖥	**Supported Engines**	Vizrt, ZeroDensity, Unreal, Unity 3D, Disguise, Wasp3D, Xpression, Frontier, Brainstorm, Avid, Ventuz, RTSoftware, ChyronHego, and others
⚙	**Supported Systems**	Pedestals, Dollies, Steadicams, Cranes, Handheld
⌞⌟	**Data Resolution**	Positional resolution: <0.1mm; Angular resolution: <0.003 degrees
〰	**Drift**	System does not accumulate any drift
⚙	**Stage 1 of operation**	Accurate measurement of markers position in 3D
⚙	**Stage 2 of operation**	Tracking using 3D models of accurately measured out markers position from Stage 1
⚙	**Other characteristics**	The system never determines a distance between pairs of markers in the captured images.