

# Datasheet

## Features

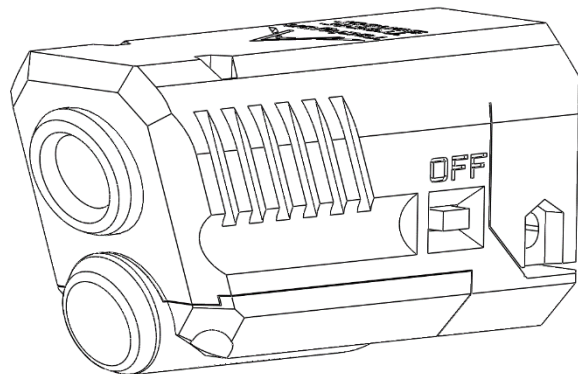
- Standard Tachyon infrared airsoft barrel sensor for BB counting
- Integral UV Illuminator for Green<sup>1</sup> airsoft tracer BBs with full power up to 1742 shots per minute
- Tracer function can be switched on/off by a mechanical switch without affecting BB sensor function
- No extra batteries, powered entirely by the host Tachyon unit

## Technical specifications

Parameter	Typical value	Unit
Maximum pulse (shot) rate with full discharge/recharge cycle	1742	rpm
Discharge (Illumination) time	250	μs
Recharge time	34.2	ms
Illuminator wavelenegth	395	nm
Optimal tracer BB color	Green	-

## Electrical characteristics

Sym	Description	Min	Typ	Max	Unit
$V_{DD}$	Supply voltage	3	3.3	3.6	V
$I_{DD}$	Idle supply current		13		mA
$C_i$	Total illumination charge		1.92		mC
$I_{Dc}$	Discharge current (average)		7.869		A
$I_{Ch}$	Charge current		56	100	mA
$E_{pulse}$	Total electrical energy per pulse		1.23		mJ



<sup>1</sup> Red tracer operation possible under very dark ambient conditions