



Atom™

General Specifications

Overview

Atom™ by Element Technica is a new breed of light weight, camera specific 3D camera platform designed from the ground up for the world's most innovative game changing camera; Epic from RED Digital Cinema.

Atom has been optimized to take full advantage of the small form factor of the Epic while still accommodating full-sized PL and PV primes as well as smaller zooms like the Optimo 16-42 or 30-80. The result is a full 5K-3D beamsplitter system weighing as little as some 35mm camera systems.

General Specifications

- IO Travel: (Beamsplitter Mode) **0 – 3.5" / 0 – 90mm**
- IO Travel: (Side X Side) **3.75" – 7.5" / 95mm – 190mm**
(Spacer required for increased IO distance)
- Convergence: **4' @ 3.5" (1.2m @ 90mm)**
- Beamsplitter FOV: **65°** (with an 85mm lens front)
- Beamsplitter box lens entrance pupil: **4.72" / 120mm**
- Height (Studio Mode): **20.5" / 520mm**
- Height (Handheld Mode): **17.5" / 445mm**
- Length (Beamsplitter Mode): **19" / 480mm**
- Length (Side x Side Mode): TBA
- Width (Main, Under/Thru): **8.5" / 216mm**
- Width (Main, Over/Thru): **11" / 280mm**
- Width (Beamsplitter Box): **17" / 430mm**

Atom Configurations

Atom

- AI** • Lightweight beamsplitter or side by side system (Aluminum)
- Integrated IO+C electronics and motors
- Optional integrated FIZ electronics
- Bare rig weight in hand held config: **18lbs**
- Bare rig weight in studio config: **23lbs**
- Ready to shoot system weight as low as 40lbs possible

Atom Pro

- AI** • Lightweight beamsplitter or side by side system (Aluminum)
- Integrated IO+C electronics and motors
- Integrated muxing, sync and power conditioning electronics (eliminates 3 external components from rig)
- Epic specific 3D IO modules (eliminates up to 4 cables per camera / 8 total)
- Optional integrated FIZ electronics (eliminate up to 2 external lens control boxes)
- Bare rig weight in hand held config: **19lbs**
- Bare rig weight in studio config: **24lbs**
- Ready to shoot system weight under 40 lbs possible

Atom Mag

- Mg** • Lightweight beamsplitter or side by side system (Magnesium)
- Integrated IO+C electronics and motors
- Optional integrated FIZ electronics
- Bare rig weight in hand held config: **13lbs**
- Bare rig weight in studio config: **18lbs**
- Ready to shoot system weight as low as 36 lbs possible

Atom ProMag

- Mg** • Lightweight beamsplitter or side by side system (magnesium)
- Integrated IO+C electronics and motors
- Integrated muxing, sync and power conditioning electronics (eliminates 3 external components from rig)
- Epic specific 3D IO modules (eliminates up to 4 cables per camera)
- Optional integrated FIZ electronics
- Bare rig weight in hand held config: **14lbs**
- Bare rig weight in studio config: **18lbs**
- Ready to shoot system weight under 36 lbs possible

Pricing:

Atom will be offered in two versions; aluminum and magnesium. Either system is compatible with our pro kit as well as our integrated lens control system.

Atom Aluminum: \$64,000

Atom Magnesium: \$84,000

Pro Kit for either: \$20,000

(machined from magnesium, compatible with Atom AL or Atom Mg)

Includes;

- Pair of Epic specific 3D-IO Modules which route all relevant Epic signals to a single multi pin/format connector.
- Atom "shark fin" structural component with muxing, sync and power conditioning electronics and connectivity.

Lens control: \$12,500

(integrated modular electronics and remote hand unit)

Hedén Lens drives: \$16,000

(large \$2650, small \$2750, Set of 6)

