THE NEWTON SYSTEM IS MADE FOR LIVE BROADCAST where reliable and constant high performance is key. To ensure that every production is successful, NEWTON is sold with training and our dedicated support. Combined with robust and weather protected design, tool and device free handling, ease of transportation and intuitive control, NEWTON has grown popular among service and rental companies around the world. The NEWTON system has since its introduction in early 2016, been used extensively in top tier live broadcast events such as Eurovision Song Contest, Champions League and the Oscars.

THE NEWTON S2 STABILIZED HEAD features a passthrough for standardized communication and broadcast signals, enabling it to instantly integrate into broadcast infrastructure and fiber networks. Its ultra-compact design enables installations of remote special cameras in front or overhead of audience, without obstructing the view of spectators nor other cameras.

THE NEWTON C1 CONTROLLER offers high-precision control of the NEWTON heads as well as Fujinon, Canon and Teradek RT lens motors. It is made for long broadcast sessions and is highly appreciated by operators for its ergonomics, customizability and intuitive control feel. Between its comfortable wrist rests it features a joystick, focus wheel, iris knob, zoom rocker and start/stop button for film cameras. The large high-resolution display supplies real-time gimbal, camera and lens data and lets the operator define the input functions of all buttons and knobs. Introduced to the market in 2015, NEWTON C1 has set a new industry standard in design and functionality.

THE PROPRIETARY STABILIZATION AND CONTROL technology generates low drift, precise control and high data accuracy, making NEWTON future proof for the growing demand for augmented reality and motion control applications in live broadcast. NEWTON’s firmware is under constant improvement and new features are released regularly. Together with a passthrough supporting fiber-optic communication, NEWTON S2 will match the latest broadcast demands for years to come.

WE ARE NEWTON NORDIC FROM SWEDEN. With proprietary technology we strive to be the best provider of moving camera systems for the world’s TV broadcasters. Please reach out for integration of our technology into your broadcast applications. See more at www.newtonnordic.com

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MOVING TV CAMERAS CLOSER TO THE ACTION.
**NEWTON S2 STABILIZED HEAD**

**PHYSICAL**
- **DIMENSIONS**
  Mounted size (approx): 410 x 285 x 380 mm (HxWxD).
  Packing size: 390 x 170 x 350 mm (HxWxD).
- **WEIGHT**
  6.7 kg empty.
  7.2 kg with camera mount and dovetail.
- **MOUNTING**
  100 mm NATO accessory rail.
  Tripod mount.
  Neck strap and harness attachment rail.
- **VELOCITY**
  Pan rotation: unlimited.
  Tilt: +45/-135 degrees.
  Roll: +/-45 degrees.
- **DISPLAY**
  5" TFT-LCD Color (800 x 480).
- **TEMPERATURE RANGE**
  -20°C to +45°C (-4°F to 113°F).

**ENVIRONMENTAL**
- **PROTECTION**
  Dust and water protected.

**POWER**
- **INPUT SUPPLY**
  24–36 V DC.
  12-24 V with reduced power.
- **BATTERY**
  2 x battery (14.4 V).
- **POWER OUTPUT**
  Mounting point: 15 V regulated 30 W.
  Camera: 15 V regulated, up to 150 W.

**CONTROL DATA LINK**
- **WIRELESS**
  2.4000-2.4835 GHz frequency hopping spread spectrum.
  Supports other frequencies via third party links.
- **WIRELESS RANGE**
  Up to 1000 m.
- **WIRED**
  Ethernet UDP.

**INTEGRATION**
- **CINEMA CAMERA RUN/STOP**
  RED Epic/Dragon/Weapon.
  ARRI Alexa Mini.
  Others via RTMotion Lens control.
- **LENS CONTROL**
  Canon Broadcast lenses.
  Canon Cine-Servo.
  Fujinon Broadcast lenses.
  Teradek RT MK3.1.
- **MOUNTING POINT CONNECTORS**
  1x 3G-SDI or ST-UPC single mode fiber passthrough.
  1x HD-SDI passthrough.
  1x Ethernet control.
  1x Ethernet camera passthrough.
  1x Power in.
  1x Power out.
  1x CAN bus (IA-CAN).
- **CAMERA CONNECTORS**
  1x 3G-SDI or ST-UPC single mode fiber passthrough.
  1x HD-SDI passthrough.
  1x Ethernet camera passthrough.
  1x Power out.
  1x CAN bus (IA-CAN).

**SOFTWARE UPGRADE**
- Via CAN bus (IA-CAN).
- (Mac OS X, Windows)

**NEWTON S2 STABILIZED HEAD**

**NEWTON C1 CONTROLLER**

**DIMENSIONS**
396 x 209 x 115 mm.

**MOUNTING**
100 mm NATO accessory rail.
Tripod mount.
Neck strap and harness attachment rail.

**WEIGHT WITH BATTERY**
3.3 kg / 7.3 Lbs.

**WEIGHT**
- 6.7 kg empty.
- 7.2 kg with camera mount and dovetail.

**MAX ROTATION SPEED**
360 deg/sec.

**MOUNTING**
Mitchell mount or cheeseplate.
Mounted over-slung & under-slung.

**DISPLAY**
5" TFT-LCD Color (800 x 480).

**POWER INPUT SUPPLY**
24–36 V DC.

**POWER CONSUMPTION**
- Standby: approx. 15 W.
- Average: approx. 35 W.

**POWER OUTPUT**
Mounting point: 15 V regulated 30 W.
Camera: 15 V regulated, up to 150 W.

**CAMERA CONNECTORS**
- 1x 3G-SDI or ST-UPC single mode fiber passthrough.
- 1x HD-SDI passthrough.
- 1x Ethernet camera passthrough.
- 1x Power out.
- 1x CAN bus (IA-CAN).

**SOFTWARE UPGRADE**
Via CAN bus (IA-CAN).
(Mac OS X, Windows)