



StarLapse for basic time-lapse, with Canon 7D DSLR.
 (System as shown without camera: \$575⁰⁰)

Time Lapse Operation

When used with a camera and a shutter triggered by an intervalometer the StarLapse can add smooth panning to time-lapse movies. For example, you are shooting one frame every minute and the StarLapse is set for SOLAR (15°/HR). If playback is 30 frames per second the effective panning speed would be 7.5° per second. The camera can be mounted to tilt instead of pan enabling you to make shots such as moving up a tree or skyscraper while taking the time-lapse exposures. StarLapse will move at 7.5, 15, 20, 30, 40, 60, 120 and 240 degrees per hour. All speeds operate in continuous 360° rotation with never any need to reset to a starting position.

For example videos of the StarLapse in operation go to www.losmandy.com.



Optional multiple camera set-up on the StarLapse system.



The sliding dovetails permit quick and easy balancing without the need for any counterweights, even when using a long lens.

Dimensions: Main assembly 4" diam. x 8"; Beam 1.625" x 12";
 Camera Mount 5" x 8" x 3" Weight: 8.75 lbs. (4 kg.)
 Gear Drive Assembly and Controller: \$575.00
 Camera Mount Assembly: \$115.00
 12" Beam: \$35.00
System List Price: \$695.00 (Includes above three pieces)
 Optional Battery Pack (8xAA) \$16.00
 Optional Polar Scope (PS) \$200.00
 NOTE: StarLapse is compatible with GM 8 and GEMINI 2 electronics for full astronomical capability.

StarLapse

Astronomical & Terrestrial Camera Motion System
 by
LOSMANDY



Designed for the astronomer as well as the serious videographer, the StarLapse system will accurately track your camera or telescope for celestial observation.

Using the same worm-gear drive system as the time-tested Losmandy GM 8 German equatorial mount (but without the declination portion) the StarLapse will maintain accurate tracking at both sidereal and solar rates for razor-sharp astro-photographs.

In addition to sky viewing, the StarLapse can add dynamics to time-lapse videography by permitting camera motion during the duration of the shot. The camera can be set up to pan or tilt at nine different speeds from 7.5° to 240° per hour to provide smooth camera motion at any frame rate.



2011 Lunar Eclipse, Uluru National Park, Australia. StarLapse System, Canon 5D MkII, 14mm 2.8 *Photo by Peter Ward*

Designed for portability, the StarLapse system packs up small and light — less than 8 3/4 pounds (4 kg). Mount it on any tripod and use its tilt and pan to adjust for polar alignment. The Losmandy dovetail mount system makes balancing your camera quick and simple, with no counterweights or tools required — a big plus in cold weather. Just loosen the large knurled clutch knob to aim the scope/camera at any point in the sky.

The StarLapse is a true worm gear drive mechanism using brass and anodized aluminum. It can rotate 360° continuously in either direction for astronomical use in the northern and southern hemisphere. Accurate timing is provided by a crystal-based microprocessor in an easy-to-use controller. Select any one of the nine speeds, the north/south direction, and press start to activate the stepper motor.

Power consumption is very low, especially when using a celestial mode. More than 60 hours of operation can be obtained from a pack of eight AA alkaline batteries. Based on the famous Losmandy GM 8 German Equatorial Mount used by serious astronomers world-wide, the StarLapse is constructed from machined aluminum and stainless steel, and can handle a payload of up to 30 pounds (13.5 Kg) allowing the use of larger or multiple cameras, or heavier telescopes when placed on a heavy-duty tripod or pedestal mount.

StarLapse from Losmandy is the perfect system for astronomers and videographers who don't want to carry lots of heavy equipment when traveling to make astronomical images or time-lapse motion pictures. All components can easily fit in a backpack or small case with room to spare for your camera, a battery pack, and accessories.

Speeds are sequentially illuminated as you press the RATE button making selection easy in the dark. The center “30” flashes while the motor is pulsed to indicate proper operation. Use with any 12 volt DC supply or battery pack at 250mA or higher and center positive 2.1mm plug.



StarLapse system \$695⁰⁰ as shown, less camera and tripod.