

**ECOSYSTEM ENTRY POINT**

# The MH-14: Your Entry Into the LLI Ecosystem

A full-featured monocular with a built-in upgrade path to binocular capability. Start with one. Scale to two. Bridge to a full system.

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## What the MH-14 Is

The MH-14 is a standalone monocular night vision housing that doubles as the entry point into the entire Low Light Innovations product ecosystem. It is not a stripped-down compromise product. It is a full-featured monocular built from magnesium alloy and 7075 T6 aluminum, with manual gain control, dual IR illuminators, and a single AA battery that delivers 50+ hours of runtime.

At \$499 for the housing only, the MH-14 is the most affordable way to enter the LLI system. The housing weighs 113g bare. In its lightest fully built configuration with RPO lightweight optics, a complete MH-14 monocular comes in at approximately 8.6 oz. With standard mil-spec optics, that rises to 10.3 oz.

## Construction

The MH-14 is machined from magnesium alloy with 7075 T6 aluminum structural components. This is the same grade of aluminum used in aircraft wing spars and landing gear components. The MH-14 is designed to meet MIL-STD-810G environmental testing standards and IP-68 ingress protection specifications. It passes the NATO 1.5-meter drop test.

## Key Features

### Manual Gain Control

Compatible with 11769 and 3-pad tube configurations. A single PVS-14 style rotary knob controls power on/off, gain adjustment, and IR illumination selection. All primary functions under one dial simplifies operation under stress and in low-visibility conditions.

### Dual IR Illuminators

Low-power illumination for close-range tasks (map reading, equipment checks, first aid) and high-power spot illumination for extended-range target identification, navigation, and area observation.

### Single AA Battery Power

The MH-14 runs on a single AA battery and delivers 50+ hours of continuous operation. AA batteries are available anywhere on the planet. Gas stations, grocery stores, hardware stores, international markets. You are never stranded waiting for a specific battery chemistry.

### Full Compatibility

Fully compatible with all standard PVS-14 J-arm mounting systems and the complete PVS-14 aftermarket ecosystem. Accepts the same PVS-14 style optics used in the MH-1 and UH-1, meaning your optics carry over directly when you upgrade to binocular.

## The Ecosystem Upgrade Path

Step	Description
<b>Step 1</b>	Start with one MH-14 monocular. Full standalone capability with manual gain, dual IR, and AA power.
<b>Step 2</b>	Add a second MH-14 with a matched tube. Two independent monoculars, or ready for bridge integration.
<b>Step 3</b>	Add an MH-1 bridge. Your two MH-14 pods connect into a full articulating binocular system. Nothing wasted. Nothing replaced. Ever.

This process works in both directions. An MH-1 binocular can be split back into two independent monoculars using MH-14 monocular adapters. The system reconfigures to your requirements.

## Specifications

Specification	Value
Type	Monocular
Material	Magnesium Alloy and 7075 T6 Aluminum
Housing Weight	113g
System Weight (Std. Optics)	10.3 oz
System Weight (RPO Optics)	8.6 oz
Battery	Single AA
Runtime	50+ hours
Gain Control	Manual (11769 / 3-pad compatible)
IR Illuminators	Dual (low-power + high-power spot)
FOV	40 deg (50 deg with wide-angle optics)
Tube Compatibility	MX-10160 / MX-11769
Optics	PVS-14 style eyepiece and objective
J-Arm	All standard PVS-14 J-arms
Color	Black
Warranty	Lifetime housing, 5-year system

## Who the MH-14 Is For

First-time night vision buyers who want a quality monocular without committing to the full cost of a binocular system. Existing MH-1 owners who want to split their binocular into two standalone monoculars for team distribution or mission-specific changes. Budget-conscious operators who need night vision capability now and binocular capability later.

## How to Buy

Housing-only purchases start at \$499. The MH-14 power supply (monocular adapter) is available separately at \$299 for existing MH-1 owners. Complete builds are available through LLI's authorized distributor network.