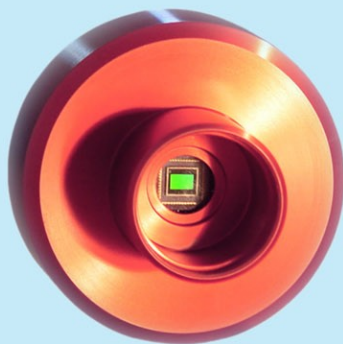




LVI CAMERAS

Introduces...

LVI SmartGuider



Setting a New Standard in Autoguiding!

SMARTGUIDER

Getting to know the LVI SmartGuider

SETTING A NEW STANDARD IN AUTOGUIDING

The LVI SmartGuider is an innovative stand-alone autoguiding camera, whose advanced built-in logic allows correction for all tracking errors of any equatorial mount equipped with a standard ST4 autoguider port. Unlike other guiders on the market, the LVI SmartGuider is a stand-alone unit that interfaces directly with your guidescope and mount, no PC required. The Control Paddle features a wide graphical display, which enables the user to constantly monitor the tracking performance and fine tune all of the guiding corrections sent to the mount. It also has a set of very easily navigable menus to fine tune all the camera parameters (both standard and advanced), which make the SmartGuider suitable for all applications, even the most demanding.

Why the LVI SmartGuider?

NO NEED FOR A LAPTOP

Not having to use a laptop for autoguiding carries a number of advantages:

- 1. For all those who don't really need a PC (e.g. as the case with old SLR, or DSLR imaging), the benefit is twofold: you save on PC hardware cost and on the energy needed to power it.*
- 2. CCD users can benefit as well, as the use of the stand-alone LVI SmartGuider greatly reduces the performance overhead on the PC. This is very convenient especially with resource-hungry setups where the PC is already under a heavy load (e.g. with big multiple megapixel CCDs, electronical focusers, motorized filter wheels, etc.). This also significantly lowers the chance of dangerous operating systems crashes.*
- 3. The LVI SmartGuider ensures that you will never have to wrestle with device drivers under Windows, and that it will never fail you, even with setups you have never used before.*

SMARTGUIDER

VERY EASY TO USE!

The LVI SmartGuider camera is very easy and fun to use!

Now anyone can start his fascinating journey into the realm of astronomical photography, without having to buy overly complicated autoguiding cameras, or to look through hundreds of boring manual pages to learn how to tweak every single parameter.

LVI has made the astrophotographer's life so much easier, everything is just a click of a button away!

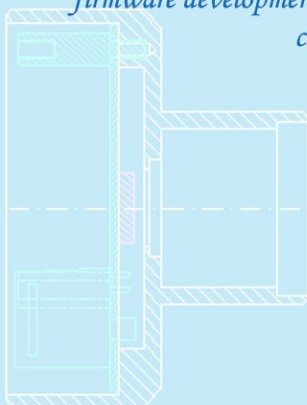
 *The Makers of the LVI SmartGuider*

A NEW FULLY ITALIAN BRAND CALLED LVI

The birth of this new brand was made possible only by coupling the research-oriented technological know-how of Microgiga company together with Paolo Lazzarotti's 10-plus years experience as an avid astroimager.

LVI company was launched on February 2007 by Marusca del Moretto, in order to foster the synergy between Microgiga and Paolo Lazzarotti, which was crucial to developing a line of high-technology imaging cameras, conceived to meet even the strictest requirements of the most discriminating amateur and professional astronomers.

The LVI SmartGuider camera which is 100% in-house is the first result of such close collaborative effort. This allows for maximum flexibility, and ensures that the designers have complete control over every detail of the whole product lifecycle, from hardware and firmware development to production management, customer care and even feature customization to meet all of the users' needs and requirements.



 **LVI CAMERAS**

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LVI CAMERAS

TECHNICAL SPECIFICATIONS

CAMERA

Sensor.....Mono 1/3" Aptina MT9V032
 Sensor format.....752x480 pixel, 6 square microns
 Exposure.....Auto, 0.001 - 2 seconds

FEATURES

- Automatic star search function
- Real time star focus status and position displayed on the 2.5" wide screen
- Automatic axes calibration with permanent saving
- Screen backlight and beep sound adjustment
- Star trailing threshold, independent on each axis (aggressiveness)
- Sub-pixel 2X autoguiding (to allow the usage of short guidescopes)

STAR LIMITING MAGNITUDES

D=60mm (2.3") aperture, 2 seconds exposure.....7.5 or more
 D=80mm (3.2") aperture, 2 seconds exposure.....8.0 or more
 D=100mm (4.0") aperture, 2 seconds exposure.....8.5 or more

WEIGHT AND DIMENSIONS

Control Paddle.....LxHxW: 55x96x28mm.....Weight: 220g
 Guiding Camera.....DxH=65x50mm.....Weight: 110g

STANDARD ACCESSORIES W/ SMARTGUIDER

Camera head, Control Handpaddle, hard case with shaped foam inside, parfocal SmartEye 1.25" eyepiece. Camera-to-Handpaddle-to-ST4 port cables, DC power cable.



Paolo Lazzarotti

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