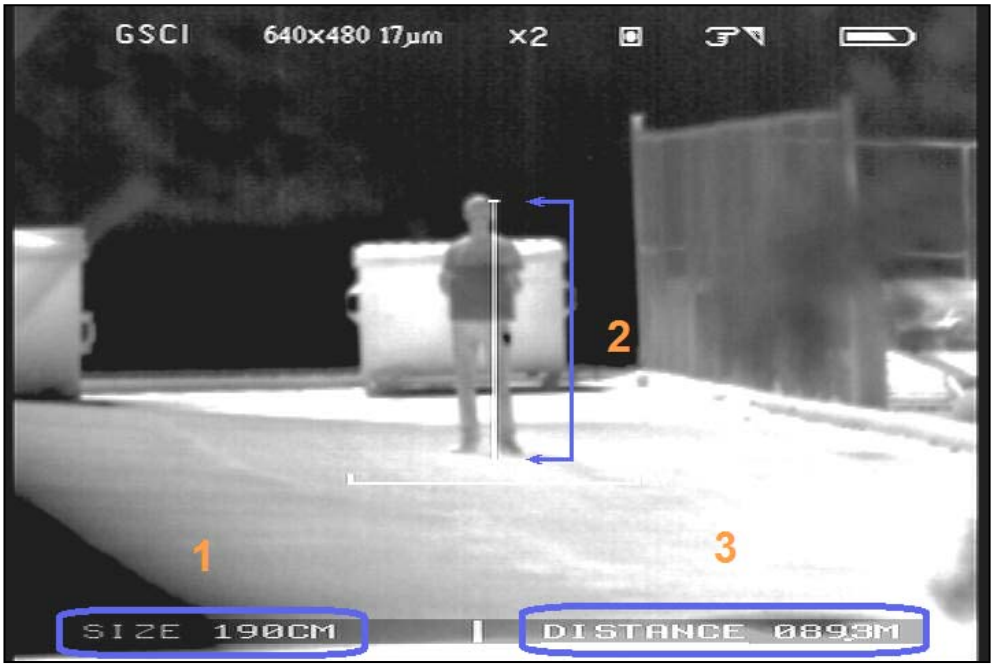
always a step ahead...since 1992

SRF Feature

STADIAMETRIC RANGEFINDER

We at GSCI are proud and excited to introduce (again) yet another unique and quite effective feature: Stadiametric Rangefinder (SRF). SRF Feature brings our Thermal Imaging Systems to a whole new, unparalleled level, placing them far above the competition.
There is just few Thermal Imaging systems on the market which have a built-in Laser Rangefinder (LRF). This is definitely a very good combination, however, such set-up is rather expensive and cannot be used in Thermal Weapon Scopes due to the fact that LRF cannot withstand recoil. Furthermore, Laser Rangefinder determines the distance to an object by emitting laser radiation and then receiving the reflected beam. Regardless of output power laser beams can be detected from a distance. This may create a serious safety and security issue in the situation when LRF operator has to stay covert during an operation. In contrast, SRF built into GSCI' systems is completely passive and uses only device's computing power to determine distances. This eliminates the possibility of being detected regardless of time of the day and weather conditions.

The SRF can be used in GSCI made monoculars or weapon scopes, providing similar precise results* without limitations in recoil power** and for the fraction of the cost.



Here is how it works. The SRF has two modes: **Object Size** and **Distance**. Current mode is indicated by underlining the corresponding writing at the bottom of the display - SIZE or DISTANCE respectively.
1. Switch over to **SIZE** mode by pressing the **MENU** button. Using buttons **UP** and **DOWN**, set the estimated object size - *height* or *length*, depending on which is going to be used. Object size can be set from 20cm to 250cm in steps of 10cm.

2. Switch over to **DISTANCE** mode by pressing the **MENU** button. Using buttons **UP** and **DOWN**, adjust the length of the measuring brackets so it matches either ***horizontal*** or ***vertical*** (whichever chosen in the previous step) object size.

3. Read the distance to the object at the bottom right hand side of the display "DISTANCE xxx.xM"

The General information can be found at: http://en.wikipedia.org/wiki/Stadiametric_rangefinding
**please refer to the video which compares SRF with LRF: https://www.youtube.com/watch?v=3VyfFIILtHQ*
***please refer to recoil Table: http://www.nvoptics.com/products/Recoil%20table1.pdf*

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