ILOA
Hawai`i

Fact Sheet

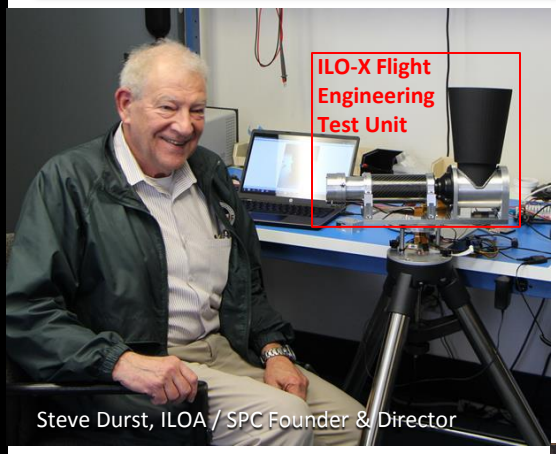
Functional Specs

Primary Optic
180 x 70 mm
Aperture
~130mm
F-Stop
f/5.6
Horizontal FOV
7.54°
Vertical FOV
4.74°
Diagonal FOV
8.82°
Arcsec/Pixel
8.94
Alt/Az Slew Range
>90° x 365°
Hyperfocal Distance
185m
Mass
~2kgs
Volume
Shoe-box size
Power
<10w
Resolution
3032 x 2016 pix
Bit Depth
16
Dynamic Range
66 dB
CCD
Actively Cooled
Thermal
Active control

v.130528d

International Lunar Observatory Precursor (ILO-X)

The ILO-X lunar telescope will pioneer a new era of Galaxy / global space research and citizen science with access for educators and the general public to innovative space observation and communication technology on the surface of the Moon.



Steve Durst, ILOA / SPC Founder & Director

A project of American businessman and educator Steve Durst, ILO-X is the world's first privately sponsored lunar telescope and has been designed and built by Moon Express, Inc., a privately funded lunar commerce company based at the NASA Ames Research Park in Silicon Valley.

The ILO-X will capture never before seen images of the Galaxies, Stars, Planets, Moon and Earth and will be at the vanguard of citizen science, made available to researchers, students, educators and the general public through the internet, allowing the world to access astronomical images from the surface of the Moon and creating a new model of international collaboration.

- ✓ **Operate on the Lunar Surface**
- ✓ **Image the Earth, the lunar horizon and deep space galactic objects**
- ✓ **Accept commands from and publish results to users all over the Earth via the internet**


The ILO-X telescope will democratize space science.


ILO-X Flight Engineering Test Unit


Orion Nebula (actual image)

FOR MORE INFORMATION, CONTACT:

Moon Express 650-241-8577
info@moonexpress.com

ILOA 808-885-3474
info@iloa.org