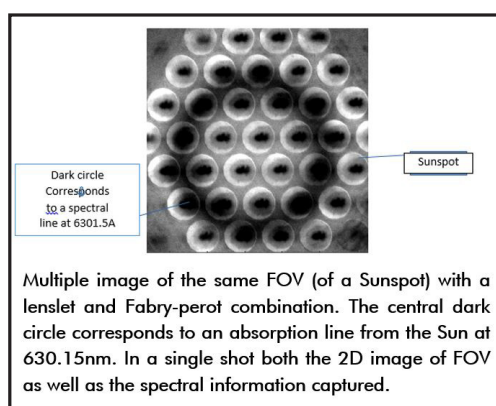


Imaging Spectro-polarimeter in the visible and NIR band

U R Rao Satellite Centre (URSC) of Indian Space Research Organization (ISRO) has developed a novel design by combining Fabry-perot and lens-let arrays which can provide a single shot 2D spectroscopy of region-of-interest on the Sun.



Salient Features

- ✦ Compact System without any moving elements.
- ✦ Provides single shot high resolution spectroscopy of identified FOV.
- ✦ Optimized for Solar Spectroscopy.

Major Specifications

- ✦ Combining Lenslet array and Fabry-perot etalon, a single shot 2D imaging spectroscopy was achieved without any tuning/movable elements.
- ✦ Field of View of the region ~ 1 arcmin.
- ✦ Spectral resolution with single Fabry-Perot > 30000 at 600.0nm.
- ✦ Spectral range with 7 X 7 lenslet ~ 0.1 nm.
- ✦ The FOV and spectral range can be varied with appropriate lenses.

Technology Transfer

URSC-ISRO offers to transfer this technology of Imaging Spectro-Polarimeter in the visible and NIR band developed by URSC to industries in India with adequate experience and facilities. Industries interested in obtaining knowhow may write giving details of their present activities, infrastructure and facilities.

Technology Transfer & Industry Coordination Division (TTID),
Programme Planning and Evaluation Group (PPEG),

📍 U R Rao Satellite Centre (URSC), ISRO, HAL Airport Road,
Vimanapura Post, Bangalore – 560 017.

✉ Email-id: tt-icd@ursc.gov.in

🌐 <https://www.ursc.gov.in/industry/index.jsp>