

Third Laureate Applied Research

26th Khwarizmi International Award (KIA)



- **Project Title:** Electro optical seeker
- **Executive Organizations:** Iran Electronics Industries (IEI) Co, Isfahan Optics Industries (IOI)

● **Abstract:**

Passive target detection is the main purpose of electro-optical searcher system. This system scans the sky and on detection of an object, sends an alarm along the position of the target.

Transmission of images with its angular position is done through a fiber optic rotary joint. Highly accurate servo –motor driver has been designed and produced natively.

Capabilities of the system includes:

- real time image processing
- panoramic image display
- small dimension and low contrast targets are detected.
- false alarm rate due to clutter is very low.

