

List of the equipment compliant with ISON

1. Telescope optical tube

- Design: reflector
- Minimum aperture: 20 cm
- Field of view with no significant aberrations: not less than $1^\circ \times 1^\circ$ in CCD/CMOS images.
- Manufacturers: ASA, Celestron RASA, PlaneWave Instruments, custom-made and others (consultation is required)

2. CCD/CMOS camera

- Monochrome
- ASCOM compatible
- Minimum sensor diagonal: 50 mm
- Minimum sensor dimensions: 2048 x 2048
- Cooling below ambient: at least up to 50°C
- PPS time synchronization
- Manufacturers: FLI, others (consultation is required)

3. Telescope mount

- Equatorial mount
- Specifications of the mount correspond to the optical tube
- ASCOM compatible
- Slewing speed for each axis: not less than $1^\circ/\text{sec}$
- Maximum supported tracking speed for each axis: not less than 100 arcsec/sec
- Manufacturers: Sky-Watcher, Orion, Astro-Physics, others (consultation is required)

4. Motorized focuser

- ASCOM compatible
- Manufacturers: FLI, others (consultation is required)

5. Motorized filter wheel

- Number of positions: 6
- ASCOM compatible
- Manufacturers: FLI, others (consultation is required)

6. Telescope control computer (minimum recommended specifications)

- CPU: 3.6 GHz
- RAM: 12 Gb
- SSD: 256 Gb
- HDD: 1Tb

7. Computer for data processing (minimum recommended specifications)

- CPU: 8-core, 4.4 GHz
- RAM: 32 Gb
- SSD: 256 Gb
- HDD: 2 Tb