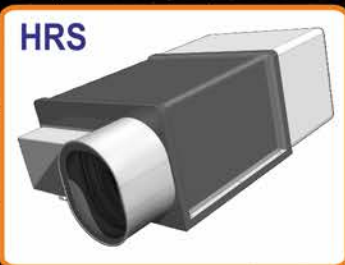


ELECTRO-OPTICAL SYSTEMS FOR EARTH REMOTE SENSING (H=668 km)



UHRs



HRS

**ULTRA HIGH & HIGH RESOLUTION SCANNERS
(under development)**

	UHRs	HRS
1. Pixel projection, m	1.0	2.6
2. Swath width, km	18	90
3. Spectral band, μm	0.45 - 0.89	0.5 - 0.89

FAR INFRARED SPACE CAMERAS

	FIRS scanner	IR-1 radiometer
1. Ground resolution, m	105	70
2. Picture size, km	95 x 71	64 x 48
3. Temperature precision, $^{\circ}\text{K}$	-	1-3
4. Pixel projection, m	150	100
5. Spectral bands, μm	8-10.5 10.5-11.5 11.5-12.5 12.5-13.5 8-13.5	- 10.5-11.5 11.5-12.5 12.5-13.5 8-13.5



FIRS / IR-1



Flight direction

Subsatellite path

Swath width



MBS OMU

**MULTIBAND SCANNER
OPTICAL & MECHANICAL UNIT (MBS OMU)**

1. Ground resolution, m	7.8
2. Swath width, km	46.6
3. Spectral bands, μm	
I	0.5 - 0.59
II	0.61 - 0.68
III	0.79 - 0.89
IV	0.5 - 0.89 (0.69 - 0.79)

**MIDDLE IR SCANNER
OPTICAL & MECHANICAL UNIT (MIRS OMU)**

1. Ground resolution, m	39.5
2. Swath width, km	55.3
3. Spectral band, μm	1.55 - 1.7



MIRS OMU