

# EARTH REMOTE SENSING SCANNERS



Optomechanical units of multiband scanner for Sich-2-1 SC (MBS OMU) and Sich-2M SC (MBS OMU-M)



Far infrared scanner (FIRS) for Sich-2M SC



High resolution scanner (HRS) for Sich-2M SC



Ultra high resolution small-size scanner (MSNVRZ) for Sich-2-2 SC



Ultra high resolution multispectral scanner (MSSNVRZ) for Sich-3-O SC

Technical characteristics:	MBS OMU / MBS OMU-M*	FIRS	HRS	MSNVRZ	MSSNVRZ	
	orbital height H=668 km	orbital height H=668 km	orbital height H=668 km	orbital height H=668 km	for orbital height: H=500 km	H=668 km
Ground resolution, m	7.8	100.7 (70)	2.37	0.87	PAN 0.53 MS 2.12	PAN 0.7 MS 2.8
Swath width, km	46.6	64	94	13.5	12.5	16.7
Spectral bands, $\mu\text{m}$	0.50 – 0.59 0.61 – 0.68 0.79 – 0.89 0.50 – 0.89 / 0.69 – 0.79*	8.50 – 9.50 10.50 – 11.50 11.50 – 12.50 8.00 – 13.50	0.45 – 0.89	0.45 – 0.89	0.45 – 0.90 0.45 – 0.52 0.52 – 0.60 0.63 – 0.69 0.76 – 0.90	
Mass, kg	17.1	10	95	48	70	