



KNIGHT

MILITARY GRADE NEW SPACE

KNIGHT is the world's first military-grade New-Space satellite providing the high-end capabilities and performance of a traditional strategic earth observation satellite in a cost effective and affordable working point designed to support high revisit constellations.

Based on vast operational experience gained over two decades serving some of the world's leading intelligence agencies,

KNIGHT presents a 50cm resolution true color video and imagery with groundbreaking agility and performance.

With cutting-edge technology such as high-resolution SWIR imagery and video for night time, low light conditions, dust & haze operation, super resolution, onboard mission processing system and innovative ground control segment KNIGHT is exceeding traditional intelligence satellites capabilities and setting new standards for defense & intelligence missions.

IMAGING PARAMETERS

RESOLUTION	50 cm 1.5 m SWIR
SWATH	12 km*
IMAGING PRODUCTS	Panchromatic, Multi spectral (RGB), SWIR images, True color HD video, SWIR HD video
IMAGING MODES	Spot, strip, mosaic, stereoscopic, video
SPECTRAL BAND	400÷900 nm 1000÷1700 nm
LIFESPAN	7 years
SUNLIGHT CONDITIONS	Sun-over-horizon angle: > 10°
SAMPLING DEPTH	12 bits
SIZE	Height – 1.5m Width- 1.2m
WEIGHT	250 kg

ADVANTAGES



- 50 CM RESOLUTION
- TRUE COLOR HD VIDEO & IMAGERY
- SWIR VIDEO & IMAGERY
- TRUE COLOR IMAGING
- DIRECT TASKING
- ADVANCED ON-BOARD PROCESSING
- ULTIMATE SECURITY & CONFIDENTIALITY

*Imaging mode dependent.

