



L3HARRIS™

FAST. FORWARD.

SPACEVIEW™ IMAGING TECHNOLOGY

L3Harris SpaceView small satellite imaging solutions make it more practical and affordable to use constellations to obtain persistent, high-resolution data for strategic intelligence, persistent intelligence, tactical support and commercial missions.

SV-80

Satellite class: Smallsat
Aperture: 0.8 m
Payload mass: 150-225 kg
Imaging power: 250-350 W
Resolution at 500 km: 0.22-0.35 m

SV-50

Satellite class: Smallsat
Aperture: 0.5 m
Payload mass: 90-130 kg
Imaging power: 200-275 W
Resolution at 500 km: 0.35-0.5 m

SV-42

Satellite class: Microsat
Aperture: 0.42 m
Payload mass: 25-40 kg
Imaging power: 70-170 W
Resolution at 500 km: 0.5-0.75 m

In addition to the three main SpaceView models, L3Harris produces smaller-sized versions for more specialized applications. Those include SV-35 and SV-24 as well as other sizes to fit customer needs.

SV-35

Satellite class: Microsat
Aperture: 0.35 m
Payload mass: 20-35 kg
Imaging power: 70-170 W
Resolution at 500 km: 0.7-1.0 m

SV-24

Satellite class: Nanosat
Aperture: 0.24 m
Payload mass: <10 kg
Imaging power: 10 W
Resolution at 500 km: 0.9-1.1 m



SpaceView Benefits

In the past, imaging capabilities have often been cost prohibitive. L3Harris built upon a long legacy of success in the field and re-engineered its high-end optics, structures and outstanding image quality offerings to fit smallsat sizes. The result has been high-performance imaging payloads that are much more affordable and accessible to a wider group of customers.

> Missions supported:

- Strategic intelligence
- Persistent intelligence
- Tactical support
- Commercial missions

> Sensor compatibility:

- Digital Sensor Generation 4
- Visible and infrared (VIS-IR) cameras
- Customer furnished equipment (CFE) cameras

> Capable of ground sample distance (GSD) missions from 0.25 to 1.1 meters

> Available onboard processing

- High performance compression
- Data storage and management
- Mission-specific processing algorithms
- Artificial intelligence