

NEWSPACE MARKET · SECTOR CATALOGUE

Cameras & Imagers

Every unit we list in this sector — specifications, manufacturers and where to ask for a quote. Compiled from the live NewSpace Market catalogue.

146

PRODUCTS

75

MANUFACTURERS

23

COUNTRIES

42

WITH DATASHEETS

newspacemarket.com/catalogues/cameras-imagers/

as of 2 September 2026

What is inside

This catalogue lists **146 cameras & imagers products** offered by **75 manufacturers** across **23 countries**. Of those, 42 carry a manufacturer datasheet and 5 publish a price; the rest are quoted on request — normal in this market, where configuration drives cost.

Entries are grouped alphabetically by manufacturer. Every product links back to its page on [newspacemarket.com](#), where you will find the full specification, the datasheet and a quote form that reaches the manufacturer directly.

Compiled 2 September 2026 from the live catalogue. Specifications are as published by the manufacturers; we normalise units but do not re-measure. Where a figure looked implausible it was left out rather than guessed.

Manufacturers by country

United States 19	China 11	United Kingdom 6	Spain 5	France 4	Germany 3	Canada 3
Japan 2	South Africa 2	India 2	Denmark 2	South Korea 2	Poland 2	Sweden 1
Netherlands 1	Estonia 1	Russia 1	Australia 1	Israel 1	Thailand 1	Saudi Arabia 1
Czech Republic 1	Italy 1					

All products at a glance

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
0.5m panchromatic(PAN) & 2m multispectral(MS) Camera	MinoSpace	China	Panchromatic resolution: 0.5m	on request
0.9m panchromatic(PAN) & 3.6m multispectral(MS) camera	MinoSpace	China	Panchromatic resolution: 0.9m	on request
1U visible light camera	MinoSpace	China	Ground resolution: 10 m	on request
2m panchromatic(PAN) & 8m multispectral(MS) camera	MinoSpace	China	Launch date: April 27, 2021	on request
5m panchromatic(PAN) & 8-Band multispectral(MS) camera	MinoSpace	China	Panchromatic resolution: 5m	on request
710 Series Hyperspectral Cameras (HyCore / OmniCore VNIR)	Surface Optics Corporation	United States	Spectral range: 375-1025 nm	on request
Adler Mk2 Non-Earth Imaging Camera	HEO Robotics	Australia	Resolution (GSD @ 100 km): 22 cm	on request
Albedo VLEO Imagery Products	Albedo	United States	Resolution (PAN): 10 cm (panchromatic)	on request
AMRT™ Satellite Mineral Exploration Survey	CC Explorations	United States	Methodology: Multispectral/hyperspectral imaging + gravitational/magnetic a...	on request
Apochromatic Lenses	Glavkosmos	Russia	Purpose: Telescopes complete set	on request
Astro Observatory Microsatellite	Space Inventor ApS	Denmark	Msrp: From €2,000,000	\$2 000 000
Auricam™	Sodern	France	FOV: 35 deg diagonal (25 deg square)	on request
Aurora SWIR Line-Scan Camera	Thoth Technology	Canada	Sensor: InGaAs with integrated optics	on request
Beryllium Mirror Substrates for Space Telescopes	materion	United States	–	on request
BSVT Satellite Imagery Services	SpaceWill (formerly Beijing Space View Technology)	China	Products: Satellite imagery, geospatial data services	on request
C-RED 2 ER Extended SWIR Camera	First Light Imaging	France	Full sensitivity range (QE > 10%): 1100-1900 nm (1.9 um model) / 1300-2150 ...	on request
C-RED 2 Lite SWIR Camera	First Light Imaging	France	Spectral range: SWIR 0.9 - 1.7 micrometres	on request
C-RED 2 SWIR Camera	First Light Imaging	France	Spectral range: SWIR 0.9 - 1.7 micrometres	on request
C-RED 3 SWIR Camera	First Light Imaging	France	Spectral range: SWIR 0.9 - 1.7 micrometres	on request
C-RED New Space SWIR Camera Core	First Light Imaging	France	Spectral range: SWIR 0.9 - 1.7 micrometres	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
C-RED One SWIR Camera	First Light Imaging	France	Spectral range: SWIR 0.80 - 2.43 micrometres (J, H, K bands)	on request
C3D CubeSat Camera	XCAM	United Kingdom	Spatial resolution (at 650 km): 360 m GSD	on request
Caiman	Dragonfly Aerospace	South Africa	Spatial resolution (GSD) at 500 km (RGB): 3.25 m	on request
Camera Processing Module	NBSpace	Thailand	Product family: Camera System	on request
Canon Electronics Space Camera Systems	Canon Electronics - Space	Japan	Technology: Precision optical telescopes, imaging sensors for satellite EO ...	on request
CASPEX 1.3Mpx SWIR Space Camera Head	3D Plus (HEICO)	France	Resolution: 1280 × 1024 pixels (1.3 Mpx)	on request
CASPEX 12Mpx Space Camera Head	3D Plus (HEICO)	France	Resolution: 4096 × 3000 pixels (12 Mpx)	on request
CASPEX 4Mpx Space Camera Head	3D Plus (HEICO)	France	Resolution: 2048 × 2048 pixels (4 Mpx)	on request
Chameleon	Dragonfly Aerospace	South Africa	Spatial resolution (GSD) at 500 km: 10 m (RGB)	on request
Chameleon SWIR	Dragonfly Aerospace	South Africa	Spatial resolution (GSD) at 500 km: RAW 8.7 m	on request
Chaohu-1 SAR Satellite	Spacety	China	SAR band: C-band	on request
China Siwei High-Resolution Satellite Imagery	China Siwei Surveying & Mapping	China	Products: High-resolution optical and SAR imagery	on request
Clarity	Albedo	United States	GSD – Panchromatic: 10 cm, 400–700 nm	on request
Commercial Satellite Imagery with Planet	Planet Labs PBC	United States	–	on request
ContextCAM — HD Real-Time Ethernet Video Camera	MVP Aerospace	–	Resolution: HD, 1280 × 720 pixels	\$3 600
Crystalspace CIU CubeSat Camera	Crystal Space	Estonia	Resolution: 5 MP	on request
CS-151 Kodas Monitoring Camera	Crystal Space	Estonia	Resolution: VGA (640x480) standard; up to 5 MP; custom 1-10 MP	on request
CubeSat Camera- RavenEye16	CAVU Aerospace	United Kingdom	Resolution: 2,448 * 2,048	on request
DarkCarb	SSTL (Surrey Satellite Technology)	United Kingdom	GSD: 4 m	on request
Dragonette Hyperspectral Satellite	Wyvern	Canada	Spectral range: 420–1000 nm (VIS + NIR)	on request
DragonEye	Dragonfly Aerospace	South Africa	Spatial resolution (GSD) at 500 km pan: 1.4 m	on request
Eagle 47-10 Space Camera	Raptor Photonics	United Kingdom	Sensor: Back-illuminated 1 MP CCD (Teledyne e2v)	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
Enabler Multispectral Telescope	Aistech Space	Spain	Payload generation (2026): Enabler v1.1 / v1.2	on request
EnMAP Hyperspectral Imager (HSI)	OHB System AG	Germany	Spectral range: 420–2450 nm (VNIR + SWIR combined)	on request
FireSat	Muon Space	United States	Spacecraft platform: Condor-M	on request
GaoJing / SuperView Commercial EO Imagery	SpaceWill (formerly Beijing Space View Technology)	China	Resolution: 0.5 m PAN, 2 m multispectral (4 bands)	on request
Gecko imager	Dragonfly Aerospace	South Africa	Spatial resolution (GSD) at 500 km: 39 m	on request
GRAPHIUM Very High Resolution Telescope	Satlantis	Spain	Ground resolution: 50 cm/pixel	on request
Hawk 1920	Raptor Photonics	United Kingdom	Resolution: 1944 x 1472	on request
Hisea-1 SAR Satellite	Spacety	China	Mass: 185 kg	on request
Holmes Mk2 Non-Earth Imaging Camera	HEO Robotics	Australia	Resolution (GSD @ 100 km): 34 cm	on request
HRVI-2HD	Berlin Space Technologies	Germany	Resolution @500km: 1.9m	on request
HRVI-2HD High-Resolution Imager	Berlin Space Technologies	Germany	Ground sampling distance: 1.9 m	on request
HRVI-6HD 2nd Gen	Berlin Space Technologies	Germany	Resolution @500km: 4.6m	on request
HRVI-6HD 2nd Gen High-Resolution Imager	Berlin Space Technologies	Germany	Ground sampling distance: 4.6 m	on request
HyperSat Hyperspectral Imaging Constellation	HyperSat	United States	Number of satellites: 6 (planned full constellation)	on request
HyperScape100	Simera Sense	South Africa	GSD at 500 km: 4.75 m	on request
HyperScape50	Simera Sense	South Africa	Focal length: 93.9 mm	on request
HyperScout 2	cosine (Berlin Adlershof)	Netherlands	First launch: 2020	on request
Hyperspectral Earth Observation Satellite	EOI Space (Earth Observant)	United States	Technology: Hyperspectral imaging (200+ bands, ~5 nm resolution)	on request
IM200 Smart Optical Imager	AAC Clyde Space	Sweden	Resolution: 4 Mpixel	on request
Image Sensor Solutions for Space	ALTER Technology	Spain	Radiation tests: TID, TNID, SEE (heavy ions and protons)	on request
Interference Spectral Imaging System	Xi'an Institute of Optics and Precision Mechanics (XIOPM)	China	Technology: Fourier-transform interference spectral imaging	on request
IRIS 4Mpx Space Camera System	3D Plus (HEICO)	France	Image sensor: 2048 × 2048 Visible CMOS	on request
iSIM-90 Optical Payload	Satlantis	Spain	Platform compatibility: 12U / 16U CubeSat	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
Jilin-1 KF01B High-Resolution Optical Satellite	Chang Guang Satellite Technology	China	Panchromatic GSD: 0.5 m	on request
KissCAM V1.0 — Entry-Level CubeSat Camera	MVP Aerospace	—	Resolution: Colour, 480 × 360 pixels	\$800
KissCAM V2.0	MVP Aerospace	—	Image sensor: Colour/Mono, 1280 x 960 pixels	from £1 600
Komodo	Dragonfly Aerospace	South Africa	Spatial resolution (GSD) at 500 km: 1.5 m	on request
KOMPSAT 3A IR Sensor	Hanwha Systems	South Korea	—	on request
KSOI-22 Optical Imager (22 mm)	Kairo Space	South Korea	Focal length: 22 mm	on request
KSOI-22C Optical Imager (22 mm Compact)	Kairo Space	South Korea	Focal length: 22 mm	on request
KSOI-300 Optical Imager (300 mm)	Kairo Space	South Korea	Aperture: 300 mm	on request
KSOI-90 Optical Imager (90 mm)	Kairo Space	South Korea	Aperture: 90 mm	on request
KSOI-VA Optical Imager	Kairo Space	South Korea	Band: Visible (RGB)	on request
L3Harris Space Instruments and EO Sensors	L3Harris Technologies	United States	Key products: Electro-optical/IR FPAs, ABI weather imager, space surveillan...	on request
Leo2MP Monitor Camera with Image Streaming	Infinity Avionics	—	Pixel resolution: 1200 x 1600, 1024 x 768, 800 x 600, 640 x 480	on request
Lynx4MP	Infinity Avionics	—	Image sensor: CMOS Global shutter	on request
Mantis	Dragonfly Aerospace	South Africa	Spatial resolution (GSD) at 500 km: 16 m	on request
Marble Imaging Satellite (Constellation Spacecraft)	Marble Imaging	Germany	Product resolution (first satellite, VIS/NIR): Up to 0.7 m	on request
METIS — In-Situ Multimodal Optical Imaging System	TechTheMoon	France	Measurement method: Optical multimodal imaging with advanced illumination	on request
MiniSAR Airborne Synthetic Aperture Radar System	Smart Satellite Technology	China	Frequency band: Ku / X / C (L-band variant also offered)	on request
MultiScape100	Simera Sense	South Africa	Focal length: 580 mm	on request
MultiScape50	Simera Sense	South Africa	GSD at 500 km: 30 m	on request
Multispectral Imagery	Satellogic	United States	Resolution: Up to 50cm super resolution	on request
Multispectral Infrared (MSIR) Data	Muon Space	United States	Channels: Red, NIR, SWIR, MWIR1, MWIR1a, LWIR	on request
NanoCam C1U	GomSpace	Denmark	Sensor: 3-megapixel color CMOS	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
Next-Generation Intelligent Remote Sensing Satellite	Hongqing Technology (鸿擎科技)	China	Orbit: Low Earth Orbit (LEO)	on request
NuSCIS Space Camera	XCAM	United Kingdom	Dimensions: 9.5 x 9.1 x 2.7 cm	on request
On-Demand Imagery	Aistech Space	Spain	Service levels: Standard On-Demand TIR, Priority On-Demand TIR	on request
Optical Cameras for Earth Observation	ZeroG Lab	China	–	on request
Optical Payloads: Space Camera and Imaging Systems	Arquimea	Spain	Single camera – spectral options: Visible SD/Full HD/4K, LWIR, SWIR, VNIR, ...	on request
Orion12MP	Infinity Avionics	–	Image sensor: CMOS Global shutter	on request
OwL 1280	Raptor Photonics	United Kingdom	Sensor: 1280 x 1024 InGaAs	on request
Owl 640 M	Raptor Photonics	United Kingdom	Detector: InGaAs (VIS-SWIR)	on request
Owl 640 T	Raptor Photonics	United Kingdom	Sensor format: ½" / VGA InGaAs	on request
Photomultiplier Tube (PMT-175)	Glavkosmos	Russia	Purpose: Multispectral research. Special purpose equipment. Gas sensors.	on request
Photomultiplier Tube 1	Glavkosmos	Russia	Purpose: Registration of pulse signals within visible and near IR ranges fo...	on request
piCAM/FM (Flight Model)	SkyFox Labs s.r.o.	Czech Republic	Resolution: VGA	on request
Precision	SSTL (Surrey Satellite Technology)	United Kingdom	GSD: Native 0.6 m PAN at reference orbit; 0.3 m effective pixel sampling (4...	on request
Priority Tasking	Aistech Space	Spain	Service levels: Standard Tasking, Priority Tasking	on request
Q8 Optical Payload Processor	Xiphos Technologies	Canada	Camera interfaces: 1x Base Camera Link, 1x Medium Camera Link (configurable...	on request
Quantum Camera	Diffraction	United States	Technology: Quantum photonics / quantum imaging	on request
Quantum Camera Platform	Diffraction	United States	Detection distance: 20x further than current CMOS/CCD sensors	on request
Radiation Hard Vidicon LI501-1MK	Glavkosmos	Russia	Purpose: TV cameras in conditions of high radiation up to 5·10 ⁷ rad.	on request
Raptor	Dragonfly Aerospace	South Africa	Spatial resolution (GSD) at 500 km pan: 0.5m	on request
Raptor Photonics Space Camera Solutions	Raptor Photonics	United Kingdom	Space heritage: Cameras flying in optical payloads on several live LEO Cube...	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
RavenEye5	CAVU Aerospace	United Kingdom	Aperture size: 60 mm	on request
RCMOS Space Camera	Raptor Photonics	United Kingdom	Sensor type: CMOS, global shutter, progressive scan	on request
Redwire SpectraCAM High Resolution Flight Camera	Redwire Corporation	United States	Dimensions (boresight config): 50 x 50 x 47 mm	on request
SAR-Optical Fusion Satellite for EO	GalaxEye Space	India	Technology: Multi-sensor: SAR + optical on same platform (first-of-kind com...	on request
Satellite Multiband Imaging System	Glavkosmos	Russia	Purpose: The system is designed for an optoelectronic survey of the earth a...	on request
Scanway Camera System (SCS)	Scanway S.A.	Poland	Type: CHARACTERISTICS	on request
Scanway Optical Payload (SOP)	Scanway S.A.	Poland	GSD: <1 to 25 m/pixel	on request
SelfieCam Video	Infinity Avionics	–	Image sensor: CMOS RGB Rolling shutter	on request
SLIMOp Orbital Telescope	SLIMOp Space	Spain	Application: Earth observation imaging and laser communications payloads fo...	on request
SMC – Spacecraft Monitoring Camera	Tsd-space	Italy	Dimensions: ~1U	on request
SMC — Spacecraft Monitoring Camera	Tsd-space	Italy	Mass: ~900 g including optical system	on request
SOC-750 Midwave Infrared Hyperspectral Imager	Surface Optics Corporation	United States	Spectral range: 2-5 µm	on request
SOC-760 VNIR-SWIR Hyperspectral Imager	Surface Optics Corporation	United States	Spectral regions: VNIR/SWIR	on request
Space x View Satellite Imagery Service	Space x View	United States	Service type: Commercial satellite imagery	on request
Space-borne Optical Camera Systems	Xi'an Institute of Optics and Precision Mechanics (XIOPM)	China	Aperture: Up to 3 m fabrication and test capability	on request
Space-borne Television System	Glavkosmos	Russia	Year of release: 2019	on request
Space-Qualified Camera Systems	Microgic	Israel	Type: Custom camera systems and imaging electronics	on request
SpaceTV-1 — Live 4K ISS Earth Streaming Camera Payload	Sen	United Kingdom	Host platform: Airbus Bartolomeo external ISS platform (ESA Columbus module)	on request
SPECTRE	Arcfield (formerly Orion Space Solutions)	United States	Payload type: Multi-spectral EO/IR optical payload	on request
SSX-1 Airborne SAR Payload	SARsatX (CubeSat Arabia)	Saudi Arabia	Sensor type: Fully-polarimetric Synthetic Aperture Radar (SAR)	on request
Standard Image Products	21st Century Space	China	–	on request

PRODUCT	MANUFACTURER	COUNTRY	KEY SPECIFICATION	PRICE
SuperView-1 (GaoJing-1) EO Imagery	HEAD Aerospace	China	Panchromatic GSD: 0.5 m	on request
Sutter TKO™ (Turnkey Observatory)	TransAstra	United States	–	on request
T-Scout	cosine (Berlin Adlershof)	Netherlands	FOV: 9.9 deg	on request
Teledyne e2v Space Imaging Detectors — CCDs and HgCdTe Infrared Sensors for Astronomy	Teledyne e2v	United Kingdom	Image Area: 92.2 × 92.4 mm	on request
Tenacious Micro Rover	ispace	Japan	Length: 54 cm	on request
ThumbSat	ThumbSat	United States	Payload envelope: 48 x 48 x (15-32) mm	from \$20 000
TIR Subscription	Aistech Space	Spain	Subscription tiers: Basic, Standard, Premium	on request
TriScape100	Simera Sense	South Africa	GSD at 500 km: 4.75 m	on request
TriScape50	Simera Sense	South Africa	GSD at 500 km: 30 m	on request
TRL11 Technology Suite (xClops, Modular Payloads, HANS, Fovea, VIPOnly, VIPLink, VIP1ST, BMC3)	TRL11	United States	Xclops payloads - cameras: 2-4 full-motion 4k video cameras	on request
TY35 (NCHU-1) Multispectral Ecological Monitoring Satellite	Spacety	China	Optical system: Off-axis three-mirror optical system	on request
TY42 (Shenqi-2) C-band SAR Satellite	Spacety	China	SAR band: C-band	on request
Vidura	Piersight	India	Band configurations: P-, L-, and X-Band	on request
VISION 300 Optical Payload	Satrev (SatRevolution)	Poland	Ground sample distance (GSD): 5.8 m @ 500 km altitude	on request
Xiomas Airborne Multispectral Sensor (AMS / Daedalus Scanner)	Xiomas Technologies	United States	Product lineage: Successor to the Daedalus Airborne Hyperspectral Scanner (...)	on request
Xiomas TBIRD (Three Band IR Detector)	Xiomas Technologies	United States	Sensor type: Three-band thermal-infrared (IR) detector	on request
Xiomas Wide Area Imager (WAI)	Xiomas Technologies	United States	Optical architecture: Step-Stare optical system	on request
Xplore Space Telescope (XST)	Xplore Inc.	United States	Base platform: XCRAFT ESPA-class bus	on request

Products by manufacturer

21st Century Space

CHINA · 2001 · 1 PRODUCT

Pioneer of commercial satellite remote sensing in China, operating Beijing satellite constellation for remote sensing big data services.



21ST CENTURY SPACE

Standard Image Products

Sensor-calibrated image products (L1) are generated from satellite raw data, incorporating attitude and orbit data and ground control information.

price on request

3D Plus (HEICO)

FRANCE · 1995 · 4 PRODUCTS

World-leading manufacturer of space electronic components using proprietary 3D interconnect technology for extreme miniaturization.



3D PLUS (HEICO)

CASPEX 1.3Mpx SWIR Space Camera Head

Space-qualified 1.3-megapixel InGaAs SWIR camera head (3DCM880) with 1280x1024 resolution at 134 fps, global shutter, and FPGA-based processing in a 40x40x44 mm package. Ideal for

Resolution	1280 × 1024 pixels (1.3 Mpx)
Sensor type	Global Shutter InGaAs CMOS (SWIR)
Maximum frame rate	134 fps
Read noise	240 e ⁻
Dark current	28 ke ⁻ /s at 25°C

price on request



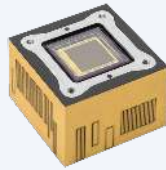
3D PLUS (HEICO)

CASPEX 12Mpx Space Camera Head

Space-qualified 12-megapixel CMOS camera head with 4096x3000 resolution, 68 frame/s, global shutter, and FPGA-based processing in a 40x40x39 mm package. Available in short and long

Resolution	4096 × 3000 pixels (12 Mpx)
Sensor type	Global Shutter Visible CMOS
Maximum frame rate	68 frame/s at sensor interface
Read noise	2 e ⁻
Dark current	10 e ⁻ /s at 25°C

price on request



3D PLUS (HEICO)

CASPEX 4Mpx Space Camera Head

Space-qualified 4-megapixel CMOS camera head with FPGA-based reconfigurable architecture, global shutter, 2048×2048 resolution, and SpaceWire interface in a 35×35×23 mm package. Av

Resolution	2048 × 2048 pixels (4 Mpx)
Sensor type	Global Shutter Visible CMOS
Maximum frame rate	Up to 16 frame/s at sensor interface
Read noise	13 e ⁻
Dark current	125 e ⁻ /s at 25°C

[price on request](#)



3D PLUS (HEICO)

IRIS 4Mpx Space Camera System

Turn-key 4-megapixel space camera system combining CASPEX 4M camera head with space-grade optics and mechanical casing. SpaceWire interface, <400 g mass, and focal length option

Image sensor	2048 × 2048 Visible CMOS
Resolution	4 Megapixels
Frame rate (Burst)	Up to 5 fps
Frame rate (Continuous)	Up to 2 fps
Interface	SpaceWire (2× MDM 9-pin)

[price on request](#)

[datasheet](#)

AAC Clyde Space

SWEDEN · 1999 · 1 PRODUCT

AAC Clyde Space provides small satellite technologies and space-based data services, offering end-to-end solutions from satellite components to data analytics for various applications.



AAC CLYDE SPACE

IM200 Smart Optical Imager

The IM200 is a versatile 4 Mpixel smart optical imager for small satellites and CubeSats, offering high-speed data transfer and real-time image processing capabilities.

Resolution	4 Mpixel
Data interface	High-speed USB2.0 (480 Mbps)
Optional data interface	Medium speed RS422/RS485
Frames per second (full resolution)	5 frames
Internal buffer storage	Up to 25 full-frame images

[price on request](#)

[datasheet](#)

Aistech Space provides high-resolution thermal imagery from its satellite constellation to monitor human activity and thermal signatures for various industries.

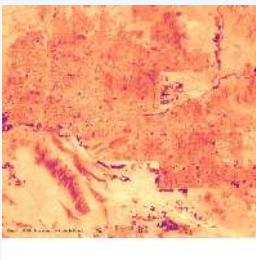


AISTECH SPACE
Enabler Multispectral Telescope

Aistech's in-house-developed multispectral thermal telescope payload flown on every Hydra satellite, covering visible, near-infrared and long-wave thermal infrared bands.

Payload generation (2026)	Enabler v1.1 / v1.2
Payload generation (2027, planned)	Enabler v1.3
Payload generation (2028, planned)	Enabler v2.0
Bands (v1.1/v1.2)	BLUE, GREEN, RED, NIR, LWIR 8-14 um
Bands (v1.3)	BLUE, GREEN, RED, NIR, LWIR1 10.5-11.5 um, LWIR2 11.5-12.5 um

price on request

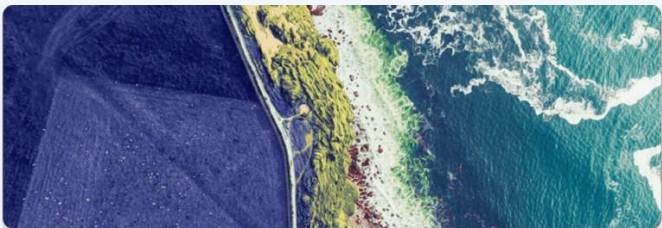


AISTECH SPACE
On-Demand Imagery

Pay-as-you-go access to Aistech's thermal infrared satellite imagery for one-time or occasional needs tied to specific events or projects.

Service levels	Standard On-Demand TIR, Priority On-Demand TIR
Data type	Thermal infrared (TIR) imagery
Access model	Pay-as-you-go, transactional
Pricing	Not publicly disclosed - contact sales

price on request



AISTECH SPACE
Priority Tasking

Premium, rapid-activation satellite tasking service for mission-critical thermal ISR scenarios such as wildfire response and security monitoring.

Service levels	Standard Tasking, Priority Tasking
Primary use cases	Wildfire response, security monitoring
Data type	Thermal infrared (TIR) imagery
Access model	Priority on-demand tasking
Pricing	Not publicly disclosed - contact sales

price on request



AISTECH SPACE
TIR Subscription

A recurring subscription service providing scheduled, ongoing access to Aistech's thermal infrared (TIR) satellite imagery, sold in Basic, Standard and Premium tiers.

Subscription tiers	Basic, Standard, Premium
Data type	Thermal infrared (TIR) imagery
Access model	Recurring subscription
Pricing	Not publicly disclosed - contact sales

price on request



ALBEDO

Albedo VLEO Imagery Products

Albedo's 10 cm commercial satellite imagery data products — the highest resolution available from any commercial satellite — enabling vehicle-level identification from space.

Resolution (PAN)	10 cm (panchromatic)
Resolution (MSI)	20–30 cm (multispectral)
Orbit	~300 km VLEO
Applications	Military ISR, infrastructure inspection, environmental monitoring
Data access	US government classified; commercial access with vetting

price on request



ALBEDO

Clarity

Albedo's Clarity system offers exquisite resolution imaging, powered by their in-house optical payload Verity, enabling precise observation and certainty in operations.

GSD – Panchromatic	10 cm, 400–700 nm
GSD – Blue	40 cm, 450–510 nm
GSD – Green	40 cm, 510–580 nm
GSD – Red	40 cm, 630–690 nm
GSD – NIR	40 cm, 770–895 nm

price on request

ALTER Technology

SPAIN · 1986 · 1 PRODUCT

ALTER Technology provides laboratory and engineering services for high-reliability EEE components, specializing in microelectronics and optoelectronics engineering, procurement, assembly, and testing



ALTER TECHNOLOGY

Image Sensor Solutions for Space

ALTER Technology develops and qualifies custom camera systems and image sensor solutions for aerospace and scientific applications, including radiation testing, cryogenic character

Radiation tests	TID, TNID, SEE (heavy ions and protons)
Test environments	Radiation, vacuum, cryogenic temperatures
Packaging options	Hermetic sealing, precision placement, thermoelectric cooler integration
Application range	Machine vision to deep-space exploration

price on request

Arcfield's Orion Space Solutions designs, builds and deploys spacecraft, optical and ionospheric sensors, and space-environment models for defense, civil and commercial space missions, with a focus on very low Earth orbit (VLEO) sustainabil



ARCFIELD (FORMERLY ORION SPACE SOLUTIONS)

SPECTRE

SPECTRE is a next-generation, multi-spectral optical payload delivering high-resolution weather monitoring and Earth observation performance in a compact, small-SWaP configuration.

Payload type	Multi-spectral E0/IR optical payload
Design focus	Small-SWaP (size, weight, power) miniaturized configuration
Primary applications	High-resolution Earth observation, climate/environmental monitoring, defense weather monit
Power	46 W OAP
Volume	12U

[price on request](#)[datasheet](#)

Spanish space technology company founded 2007 in Leganes, developing MEMS relay switches, SiC power devices, and miniaturized power conditioning units for satellite applications.

ARQUIMEA

Optical Payloads: Space Camera and Imaging Systems

Modular, flight-proven single-camera and multi-camera digital video systems for space imaging covering visible SD to 4K, LWIR, SWIR, VNIR, MWIR, multispectral, and hyperspectral co

Single camera — spectral options	Visible SD/Full HD/4K, LWIR, SWIR, VNIR, Cooled MWIR, multispectral, hyperspectral, Star T
Multi-camera dvs — camera count	8 or more cameras per unit
Host interfaces	MIL-STD-1553B (CMD & TLM), LVDS, RS422, UART
Processing	Optional sandbox with customer algorithms (AI-driven apps supported)
Cameras launched to date	>500

price on request

Berlin Space Technologies

GERMANY · 2010 · 4 PRODUCTS

Berlin Space Technologies (BST) designs and mass manufactures small satellite systems and technologies, providing end-to-end solutions for space missions.



BERLIN SPACE TECHNOLOGIES

HRVI-2HD

The HRVI-2HD is a high-resolution optical payload system built by Berlin Space Technologies, offering 2m GSD and a 15km swath.

Resolution @500km	1.9m
Swath @500km	15 km
Channels	1 PAN & 4MS
Dpu	JPEG, 2 TB storage, CCSDS, Encryption
In orbit focusing	Yes

price on request [datasheet](#)

BERLIN SPACE TECHNOLOGIES

HRVI-2HD High-Resolution Imager

High-resolution optical imager achieving 1.9 m GSD with 15 km swath from LEO for Earth observation missions.

Ground sampling distance	1.9 m
Swath width	15 km
Mass	19 kg

price on request



BERLIN SPACE TECHNOLOGIES

HRVI-6HD 2nd Gen

The HRVI-6HD 2nd Generation is a space-proven medium resolution earth observation system providing 4.6m GSD imagery with a 70km swath, and also features a hyperspectral option.

Resolution @500km	4.6m
Swath @500km	70 km
Channels	1 PAN & 4MS
Dpu	JPEG, 2 TB storage, CCSDS, Encryption
In orbit focusing	Yes

price on request [datasheet](#)

BERLIN SPACE TECHNOLOGIES

HRVI-6HD 2nd Gen High-Resolution Imager

Wide-swath high-resolution imager with 4.6 m GSD and 70 km swath for broad-area Earth observation.

Ground sampling distance	4.6 m
Swath width	70 km
Mass	10.45 kg

price on request

Canon Electronics - Space

JAPAN · 1954 · 1 PRODUCT

Canon Electronics Inc. develops and manufactures small artificial satellites and their components, alongside a diverse range of precision machinery, electronic equipment, and optical products.



CANON ELECTRONICS - SPACE

Canon Electronics Space Camera Systems

Canon Electronics' satellite-mounted Earth observation cameras and optical systems for commercial and government remote sensing satellites — applying Canon imaging expertise to spa

Technology	Precision optical telescopes, imaging sensors for satellite EO cameras
Applications	Earth observation imaging, satellite camera systems
Space one stake	Founding shareholder of Space One Corporation (KAIROS rocket)
Parent	Canon Inc. (Japan's leading optical imaging company)
HQ	Shimomaruko, Ota, Tokyo, Japan

price on request

CAVU Aerospace

UNITED KINGDOM · 2016 · 2 PRODUCTS

CAVU Aerospace designs and manufactures spacecraft avionics, including radiation-tolerant onboard computers, thermal control units, frame grabbers, and flight-proven satellite cameras for space applications.



CAVU AEROSPACE

CubeSat Camera- RavenEye16

CubeSat Camera for 2U, 3U & 12U

Resolution	2,448 * 2,048
Form factor	2U
Mass	1.1 kg
Aperture size	60 mm
Efl	400 mm

price on request



CAVU AEROSPACE

RavenEye5

The RavenEye5 is a flight-proven, highly reliable optical payload designed for CubeSats, capable of capturing high-resolution images for Earth observation and atmospheric monitorin

Aperture size	60 mm
Available in	5, 16 & 51 Mpixel
Data interface	LVDS + RS422 + Ethernet
Data transmission interface	UART RS485 @6.25
Image format	RAW + JPEG

price on request

[datasheet](#)

Satellite-enabled mineral exploration firm using proprietary AMRT™ technology to detect subsurface resources including precious metals, oil & gas, and groundwater across 50+ countries — non-invasively, without ground crews.



CC EXPLORATIONS

AMRT™ Satellite Mineral Exploration Survey

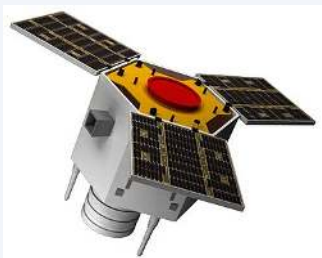
Satellite-based subsurface resource detection using AMRT™ (Atomic Mineral Resonance Tomography) — locates precious metals, hydrocarbons, and groundwater across 50+ countries with u

Methodology	Multispectral/hyperspectral imaging + gravitational/magnetic analysis + AI analytics
Reported accuracy	Up to 93% correlation with verified deposits
Turnaround time	15–45 days
Geographic reach	50+ countries
Completed surveys	1,000+

price on request

Chang Guang Satellite Technology

Operator of China's first commercial remote sensing constellation "Jilin-1", providing sub-meter optical imagery and video for government and commercial clients.



CHANG GUANG SATELLITE TECHNOLOGY

Jilin-1 KF01B High-Resolution Optical Satellite

Sub-metre EO satellite — 0.5 m panchromatic, 2 m multispectral, 150 km swath, 2 million km²/day, 535 km SSO, 20 m CE90 without GCP, supports 1:10,000 mapping.

Panchromatic GSD	0.5 m
Multispectral GSD	2 m
Swath width	> 150 km
Orbital altitude	535 km
Orbit type	Sun-synchronous

price on request

China Siwei Surveying & Mapping

CHINA · 1 PRODUCT

Chinese commercial remote sensing company operating the SuperView (Gaojing) high-resolution satellite constellation, providing sub-meter EO imagery and geospatial services.

CHINA SIWEI SURVEYING & MAPPING

China Siwei High-Resolution Satellite Imagery

Chinese commercial satellite imagery provider offering high-resolution optical and radar Earth observation data for mapping and surveying applications.

Products High-resolution optical and SAR imagery

Applications Mapping, surveying, geospatial analysis

price on request

cosine (Berlin Adlershof)

NETHERLANDS · 2001 · 2 PRODUCTS

Dutch space instrumentation company designing optical payloads and hyperspectral imaging systems for satellites.



COSINE (BERLIN ADLERSHOF)

HyperScout 2

Compact hyperspectral imaging instrument combining VNIR hyperspectral imaging with thermal infrared channels — Intel Myriad 2 onboard AI chip, first flown 2020.

First launch	2020
Orbit	540 km
GSD (channel 1)	75 m
GSD (channel 2)	490 m
Swath	310 x 150 km

price on request



COSINE (BERLIN ADLERSHOF)

T-Scout

First multi-spectral thermal infrared imager with high spatial resolution for small satellites — 85m resolution from 500km, onboard real-time processing.

FOV	9.9 deg
Focal length	100 mm
Aperture	67 mm
F-number	F/1.5
Spatial resolution	85 m from 500 km

price on request

Crystal Space designs and manufactures cameras and smart cameras for satellites, rovers, landers, and UxS, with over 200 cameras delivered and 12,500+ collective days in space.



CRYSTAL SPACE
Crystalspace C1U CubeSat Camera

The Crystalspace C1U CubeSat Camera is a versatile imaging solution designed for various space applications, including Earth observation, situational awareness, and navigation.

Resolution	5 MP
FOV	44 x 34 deg
Mass	<50 g
Dimensions	42 x 25 x 45 mm
Power (nominal)	75 mW

price on request



CRYSTAL SPACE
CS-151 Kodas Monitoring Camera

Space-qualified monitoring camera (270 g, 82x88x39 mm) with up to 5 MP resolution and flight heritage on Maxar's SAMPLR lunar lander for NASA's Artemis mission.

Resolution	VGA (640x480) standard; up to 5 MP; custom 1-10 MP
Mass	270 g
Dimensions	82 x 88 x 39 mm
Power (nominal)	0.5 W
Power (peak)	1 W

price on request

Quantum camera developer whose beyond-diffraction-limit imaging technology was developed for NASA/DARPA and is designed for space-based Earth and space intelligence.



DIFFRACTION
Quantum Camera

Beyond-diffraction-limit quantum imaging camera for satellite and telescope constellations providing 20x greater object identification range.

Technology	Quantum photonics / quantum imaging
Key capability	Imaging beyond the diffraction limit – identifies objects 20x further than any conventional cameras
Information capture	Captures ~95% more information than conventional cameras
Applications	Space situational awareness, Earth intelligence,



DIFFRACTION
Quantum Camera Platform

The Quantum Camera Platform is an award-winning quantum technology and AI-powered camera designed to see beyond the diffraction limit for Earth and Space Intelligence.

Detection distance	20x further than current CMOS/CCD sensors
Processing speed	1000x faster than conventional GPU/VPU + CMOS
Energy efficiency	1000x more efficient than current GPU/VPUs
Integration	USB-C, M8/M12 or custom outputs

price on request

Python library, cloud-based
model training

```
price on request
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Dragonfly Aerospace

SOUTH AFRICA • 2019 • 8 PRODUCTS

South African manufacturer of high-performance electro-optical imaging payloads and satellite platforms for Earth observation.



DRAGONFLY AEROSPACE

Caiman

The Caiman is a high-resolution multispectral imager for 6U CubeSats, offering maximum achievable resolution within its form factor and unmatched image detail for small satellite p

Spatial resolution (GSD) at 500 km (RGB)	3.25 m
--	--------

Swath at 500 km (RGB) 13 km

Mass (incl. electronics) (RGB)	1.4 kg
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Spectral bands (RGB)	Standard RGB
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Imager type (RGB) Snap shot

price on request [datasheet](#)



DRAGONFLY AEROSPACE

Chameleon

The Chameleon is a high-performance hyperspectral imager with space-qualified control electronics and specialized optics, designed for CubeSats.

Spatial resolution (GSD) at 500 km **10 m (RGB)**

Swath at 500 km 39 km (RGB)

Mass (incl. electronics)	1.6 kg (RGB)
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Spectral bands

Imager type	Snap shot (RGB)
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price on request [datasheet](#)



DRAGONFLY AEROSPACE

Chameleon SWIR

The Chameleon SWIR is a specialized short-wave infrared camera designed for Earth and space exploration, capturing high-contrast images in the 1000–1750 nm spectral range.

Spatial resolution (GSD) at 500 km	RAW 8.7 m
Swath at 500 km	11.2 km
Mass (Including electronics)	1.6 kg
Spectral bands	4 x SWIR Bands (1000–1750 nm)
Satellite bus size	Compatible with 6U

[price on request](#) [datasheet](#)



DRAGONFLY AEROSPACE

DragonEye

DragonEye is a high-resolution imager for microsatellites, offering detailed Earth imagery in panchromatic mode with radiation-resistant optics and a wide field of view.

Spatial resolution (GSD) at 500 km	1.4 m
pan	
Spatial resolution (GSD) at 500 km	2.8 m
ms binned	
Swath at 500 km	22.2 km
Mass (Including electronics)	18 kg
Spectral bands	10x MS plus 1x PAN

[price on request](#) [datasheet](#)



DRAGONFLY AEROSPACE

Gecko imager

The Gecko imager is a compact, easily integrated imaging solution for CubeSat missions, offering large data storage and high image quality in a small form factor.

Spatial resolution (GSD) at 500 km	39 m
Swath at 500 km	80 km
Mass (incl. electronics)	<0.5 kg
Spectral bands	Standard RGB
Physical size	1U (65 mm x 90 mm x 105 mm)

[price on request](#) [datasheet](#)



DRAGONFLY AEROSPACE

Komodo

Komodo is a compact 12U high-performance Earth observation camera offering multispectral data for diverse uses, supporting both push-broom and RGB snapshot modes.

Spatial resolution (GSD) at 500 km	1.5 m
Swath at 500 km	6.1 km
Mass (incl. electronics)	12 kg
Spectral bands	Standard RGB
Physical size	200 mm x 200 mm x 340 mm

[price on request](#) [datasheet](#)



DRAGONFLY AEROSPACE

Mantis

The Mantis imager provides advanced multispectral or hyperspectral imaging capabilities for CubeSats, featuring integrated high-speed data storage.

Spatial resolution (GSD) at 500 km	16 m
Swath at 500 km	32 km
Mass (incl. electronics)	<0.5 kg
Spectral bands	Standard RGB
Imager type	Snap shot

[price on request](#) [datasheet](#)



DRAGONFLY AEROSPACE

Raptor

The Raptor is an advanced satellite camera system offering industry-leading panchromatic image resolution and targeted spectral data for mapping, analysis, and surveillance applica

Spatial resolution (GSD) at 500 km	0.5m
pan	
Spatial resolution (GSD) at 500 km	2m
ms	
Swath at 500 km	8 km
Mass (Including electronics)	≈ 60 kg
Spectral bands	6x MS plus 2x PAN

[price on request](#) [datasheet](#)

EOI Space (Earth Observant)

UNITED STATES · 2016 · 1 PRODUCT

US developer of Very Low Earth Orbit (VLEO) 'Stingray' satellites delivering 15cm-resolution imagery.



EOI SPACE (EARTH OBSERVANT)

Hyperspectral Earth Observation Satellite

EOI Space's (Earth Observant) hyperspectral LEO satellites providing hundreds of spectral bands for precision agriculture, mineral prospecting, and environmental monitoring.

Technology	Hyperspectral imaging (200+ bands, ~5 nm resolution)
Spectral range	VNIR (400–1,000 nm) + SWIR (1,000–2,500 nm)
Applications	Crop disease detection, mineral prospecting, methane plumes, soil classification
Competitors	Satellogic, Planet Hyperspectral, NASA DESIS (ISS payload)
HQ	USA (Earth Observant Inc.)

[price on request](#)

French scientific imaging company developing ultra-sensitive cameras for astronomy, space, and life science applications.



FIRST LIGHT IMAGING
C-RED 2 ER Extended SWIR Camera

Extended SWIR camera on 640x512 ER-InGaAs detectors with sensitivity shifted to 1.9 um or 2.2 um, 600 fps full frame.

Full sensitivity range (QE > 10%)	1100-1900 nm (1.9 um model) / 1300-2150 nm (2.2 um model)
Quantum efficiency > 70%	1150-1800 nm (1.9 um model) / 1380-2050 nm (2.2 um model)
Sensor size	640 x 512 pixels ER-InGaAs
Pixel pitch	15 micrometres
Maximum speed full frame	600 fps

price on request



FIRST LIGHT IMAGING
C-RED 2 Lite SWIR Camera

Compact fanless TEC-stabilized SWIR camera running 600 fps with under 30 electrons readout noise, optionally water-cooled.

Spectral range	SWIR 0.9 - 1.7 micrometres
Sensor size	640 x 512 pixels, InGaAs PIN photodiode
Pixel pitch	15 micrometres
Maximum speed full frame	600 fps
Readout noise	< 30 e- at high gain, Tint 50 us, 600 fps full frame at 5 C

price on request



FIRST LIGHT IMAGING
C-RED 2 SWIR Camera

High speed low noise SWIR camera running 600 fps full frame with readout noise under 30 electrons and dark current under 600 e/p/s.

Spectral range	SWIR 0.9 - 1.7 micrometres
Sensor size	640 x 512 pixels, InGaAs PIN photodiode
Pixel pitch	15 micrometres
Maximum speed full frame	600 fps
Readout noise	< 30 e- at high gain, Tint 50 us, 600 fps full frame

price on request



FIRST LIGHT IMAGING
C-RED 3 SWIR Camera

Very compact high-speed uncooled VGA SWIR camera for short exposure times, with patented adaptive bias and OEM core version.

Spectral range	SWIR 0.9 - 1.7 micrometres
Sensor size	640 x 512 pixels, InGaAs PIN photodiode
Pixel pitch	15 micrometres
Maximum speed full frame	600 fps
Readout noise	< 40 e- at high gain, Tint 50 us, 600 fps full frame

price on request



FIRST LIGHT IMAGING

C-RED New Space SWIR Camera Core

SWIR camera core on a space-approved 640x512 InGaAs sensor for satellite optical payloads, 600 fps full frame and up to 32066 fps windowed.

Spectral range	SWIR 0.9 - 1.7 micrometres
Sensor size	640 x 512 pixels (0.3 Mp), InGaAs
Pixel pitch	15 micrometres
Quantization	14 bit
Readout noise	< 30 e- at high gain, Tint 50 us, 600 fps full frame at 5 C

price on request



FIRST LIGHT IMAGING

C-RED One SWIR Camera

Ultra high-speed photon counting SWIR camera with 320x256 MCT e-APD array, sub-electron readout noise and up to 3500 fps full frame.

Spectral range	SWIR 0.80 - 2.43 micrometres (J, H, K bands)
Sensor	320 x 256 pixels MCT e-APD array
Pixel pitch	24 micrometres
Maximum speed full frame single readout	3500 fps
Readout noise	< 1 e- at 1720 fps CDS readout, gain x50, black body at 80 K

price on request

[datasheet](#)

GalaxEye Space

INDIA · 2020 · 1 PRODUCT

GalaxEye Space is an Indian Earth observation company, spun out of IIT Madras, developing OptoSAR — a satellite payload that fuses SAR and multispectral optical imagery from a single co-located sensor to eliminate parallax and time-gap erro

GALAXEYE SPACE

SAR-Optical Fusion Satellite for EO

GalaxEye Space's multi-sensor satellite combining SAR and optical imaging to provide cloud-penetrating Earth observation with the contextual richness of color imagery.

Technology	Multi-sensor: SAR + optical on same platform (first-of- kind commercial)
Satellite	DRISHTI ('vision' in Sanskrit)
Advantage	Cloud-penetrating SAR + color optical context via AI fusion
Founders	IIT Madras alumni, Bengaluru, India
Applications	Agriculture, infrastructure, maritime domain awareness

price on request

Glavkosmos coordinates international human spaceflight projects, facilitates satellite launches, develops and supplies rocket components, and provides equipment for space crews.



GLAVKOSMOS
Apochromatic Lenses

Apochromatic lens objectives for astronomic telescopes, forming a complete telescope set with clear apertures from 100 to 500 mm.

Purpose	Telescopes complete set
Year of release	1997
Design life	15 years
Lead time	12 months
Flight qualification of the product	No

price on request



GLAVKOSMOS
Photomultiplier Tube (PMT-175)

A photomultiplier tube (PMT-175) for multispectral research, special purpose equipment, and gas sensors, featuring an SbKCs photocathode and a 14-dynode linear multiplication system

Purpose	Multispectral research. Special purpose equipment. Gas sensors.
Year of release	2005
Design life	4 years
Lead time	3 months
Flight qualification of the product	No

price on request



GLAVKOSMOS
Photomultiplier Tube 1

A photomultiplier tube for registering pulse signals in the visible and near-infrared ranges, used in multispectral research instrumentation.

Purpose	Registration of pulse signals within visible and near IR ranges for multispectral research
Year of release	2005
Design life	4 years
Lead time	3 months
Flight qualification of the product	No

price on request



GLAVKOSMOS
Radiation Hard Vidicon LI501-1MK

The Radiation Hard Vidicon LI501-1MK is a radiation-hardened vidicon camera tube designed for TV cameras operating in high radiation environments up to $5 \cdot 10^7$ rad, featuring magnet

Purpose	TV cameras in conditions of high radiation up to $5 \cdot 10^7$ rad.
Year of release	2009
Design life	4 years
Lead time	2 months
Flight qualification of the product	No

price on request



GLAVKOSMOS

Satellite Multiband Imaging System

The Satellite Multiband Imaging System is an optoelectronic instrument designed for Earth and water surface surveys in three spectral bands (visible and near-IR). It consists of two

Purpose	The system is designed for an optoelectronic survey of the earth and water surface in three
Year of release	2012
Design life	5 (LEO) years
Lead time	24 months
Flight qualification of the product	Yes

price on request



GLAVKOSMOS

Space-borne Television System

An onboard digital imaging system for stationary spacecraft that captures video/images of the environment and objects in the field of view and stores them for later downlink.

Year of release	2019
Design life	5 years
Lead time	24 months
Flight qualification of the product	No
Possibility to adapt the product to customer requirements	Yes

price on request

GomSpace

DENMARK · 2007 · 1 PRODUCT

GomSpace is a Danish CubeSat manufacturer producing satellite platforms, subsystems, and end-to-end mission solutions. Products include the NanoCom radio modules, NanoPower EPS, and complete 1U–12U satellite platforms. GomSpace has one of the



GOMSPACE

NanoCam C1U

The NanoCam C1U is a flexible and modular camera system designed for Earth Observation Projects, offering rapid implementation of tailored imaging systems based on customer requirements.

Sensor	3-megapixel color CMOS
Resolution	2048 x 1536 pixels
Spectral Transmission	400-750 nm
On-board RAM	512 MB DDR2
Image Storage	2 GB solid state

price on request [datasheet](#)

Hanwha Systems

SOUTH KOREA · 2011 · 1 PRODUCT

Hanwha Systems is South Korea's premier defense electronics company and the only Korean firm capable of developing EO/IR and SAR satellite payloads, providing space capabilities from reconnaissance satellite payloads and small SAR constellations.



HANWHA SYSTEMS
KOMPSAT 3A IR Sensor

The KOMPSAT 3A IR Sensor is a world-class infrared sensor payload developed by Hanwha Systems for the KOMPSAT 3A satellite, providing day/night imaging capabilities.

price on request

HEAD Aerospace

CHINA · 2016 · 1 PRODUCT

Chinese commercial Earth observation company operating a multi-spectral and hyperspectral constellation for global change detection and land use monitoring.



HEAD AEROSPACE
SuperView-1 (GaoJing-1) EO Imagery

0.5 m panchromatic / 2 m multispectral commercial EO imagery from 4-satellite constellation — 12 km swath, 11-bit, 2-day revisit, stereo, multi-strip acquisition, HEAD distributes

Panchromatic GSD	0.5 m
Multispectral GSD	2.0 m
Spectral bands	PAN 450–890 nm; Blue, Green, Red, NIR
Radiometric resolution	11 bit
Swath width	12 km

price on request

HEO delivers non-Earth imaging (NEI) at scale, providing high-volume imagery and insights on satellites and other objects in orbit using a global sensor network and proprietary tasking software.



HEO ROBOTICS
Adler Mk2 Non-Earth Imaging Camera

HEO's larger-aperture flight-proven non-Earth imaging payload, offering higher resolution for hosted-payload NEI missions.

Resolution (GSD @ 100 km)	22 cm
Volume	580 x 230 mm
Mass	8.5 kg
Max power	7.0 W

price on request



HEO ROBOTICS
Holmes Mk2 Non-Earth Imaging Camera

HEO's most compact flight-proven non-Earth imaging payload, designed to operate as a hosted payload with negligible impact on a host satellite's primary mission.

Resolution (GSD @ 100 km)	34 cm
Volume	320 x 140 x 148 mm
Mass	3.8 kg
Max power	7.0 W

price on request

Hongqing Technology (鸿擎科技)

CHINA · 2021 · 1 PRODUCT

Beijing satellite constellation company partnered with Blue Arrow Aerospace; develops communications, remote sensing, and science satellites plus in-house Jinwu propulsion, Chiyu power, and Baize electronics subsystems.



HONGQING TECHNOLOGY (鸿擎科技)
Next-Generation Intelligent Remote Sensing Satellite

Hongqing Technology next-generation intelligent remote sensing satellite represents a paradigm shift from traditional sky sensing and ground computing to sky computing and sky appl

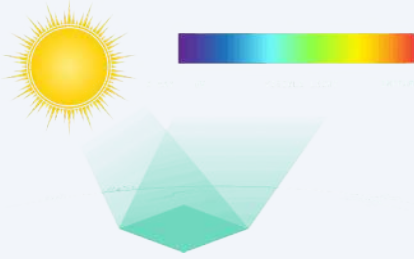
Orbit	Low Earth Orbit (LEO)
Onboard ai computing power	>=200 TOPS @ INT8 per satellite node
Laser inter-satellite link speed	>=100 Gbps
Optical (panchromatic) resolution	0.5 m, 1 m
SAR resolution	0.5 m, 1 m

price on request

HyperSat

UNITED STATES · 2015 · 1 PRODUCT

HyperSat LLC is a US-based hyperspectral satellite imaging company developing a constellation of advanced hyperspectral imaging satellites delivering persistent, global hyperspectral intelligence for commercial and government customers. The



HYPERSAT

HyperSat Hyperspectral Imaging Constellation

Six-satellite LEO constellation capturing Earth imagery across 500 narrow spectral bands — AI/ML-processed Metadata Hypercubes, 6m GSD, NOAA-licensed. Selected by the NRO under the

Number of satellites	6 (planned full constellation)
Orbit	Low Earth Orbit (LEO)
Spectral bands	500 narrow contiguous bands
Spectral range	Visible through SWIR; LWIR on later satellites
Ground sample distance (GSD)	~6 meters

price on request

Infinity Avionics

4 PRODUCTS

Infinity Avionics designs and manufactures spaceflight-proven camera systems and edge processors for various in-orbit applications, with over 60 payloads in orbit.



INFINITY AVIONICS

Leo2MP Monitor Camera with Image Streaming

Leo2MP is a spacecraft close proximity camera with up to 2MP resolution, image data streaming, and LED illumination for space applications.

Pixel resolution	1200 x 1600, 1024 x 768, 800 x 600, 640 x 480
Pixel size	2.2 μm
Spectral range	VIS
Field of view	110°
Focal length	1 mm

price on request



INFINITY AVIONICS

Lynx4MP

Lynx4MP is a TRL 9 modular 4MP RGB/Monochrome space camera system with precise image capture timing and on-board storage, qualified for space applications and compatible with CubeS

Image sensor	CMOS Global shutter
Pixel resolution	2048x2048 (4 MP)
Pixel size	5.5 μm
Spectral bands	RGB Bayer / Monochrome
Image encoding	RAW

price on request

datasheet



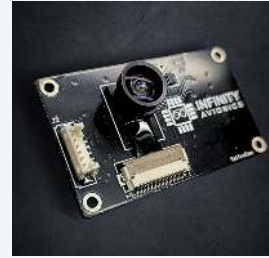
INFINITY AVIONICS

Orion12MP

The Orion12MP is a 12 Megapixel RGB/Monochrome camera backend electronics unit designed for various space applications, featuring a global shutter and up to 100 FPS capture to elim

Image sensor	CMOS Global shutter
Pixel resolution	4096×3072 (12 MP)
Pixel size	5.5 μm
Spectral bands	RGB / Monochrome
Image encoding	RAW

[price on request](#) [datasheet](#)



INFINITY AVIONICS

SelfieCam Video

SelfieCam is a small form factor, TRL 9 spacecraft deployment monitoring camera designed for on-orbit imaging, space situational awareness, and In-Space Manufacturing (ISM). It cap

Image sensor	CMOS RGB Rolling shutter
Pixel resolution	1024 x 768 800 x 600 640 x 480
Pixel size	2.2 μm
Spectral range	VIS
Field of view (degrees)	110°

[price on request](#) [datasheet](#)

ispace

JAPAN · 2010 · 1 PRODUCT

ispace, inc. is a Japanese commercial lunar exploration company founded in 2010 by Takeshi Hakamada, headquartered in Tokyo, developing lunar landers and rovers to establish a sustained human presence on the Moon by enabling commercial luna



ISPACE

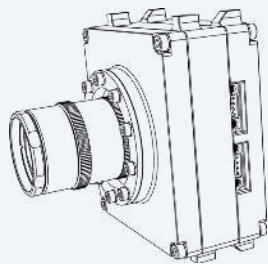
Tenacious Micro Rover

TENACIOUS is a lightweight micro rover developed by ispace-EUROPE (Luxembourg subsidiary), making it the first European-designed, manufactured, and assembled lunar rover, co-funded

Length	54 cm
Width	31.5 cm
Height	26 cm
Mass	~5 kg
Payload capacity	Up to 1 kg

[price on request](#)

South Korean nanosatellite manufacturer offering CubeSat platforms, optical imagers, star trackers, solar panels, EPS, structures, and deployers for the commercial small satellite market.

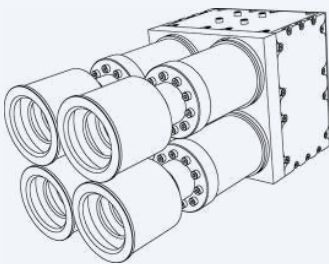


KAIRO SPACE
KSOI-22 Optical Imager (22 mm)

22 mm focal length miniature CubeSat optical imager for visible-band earth observation.

Focal length	22 mm
Band	Visible
Application	Wide-swath earth observation, technology demonstration

price on request

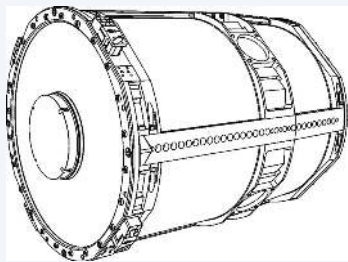


KAIRO SPACE
KSOI-22C Optical Imager (22 mm Compact)

Compact variant of the 22 mm CubeSat optical imager with reduced form factor for tighter integration envelopes.

Focal length	22 mm
Variant	Compact (reduced form factor)
Band	Visible

price on request

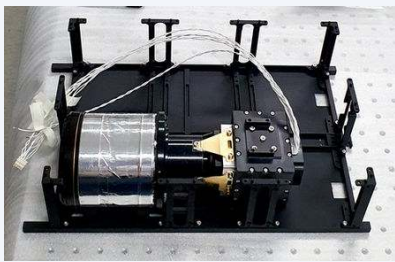


KAIRO SPACE
KSOI-300 Optical Imager (300 mm)

300 mm telescope-class CubeSat optical imager for high-resolution sub-meter earth observation.

Aperture	300 mm
Class	Telescope-class high-resolution imager
Band	Visible
Application	High-resolution earth observation, precision monitoring
Datasheet	Available

price on request [datasheet](#)

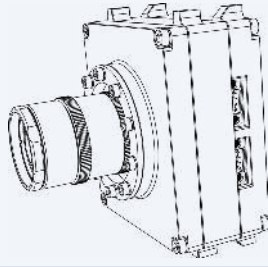


KAIRO SPACE
KSOI-90 Optical Imager (90 mm)

90 mm aperture CubeSat optical imager providing high-resolution visible-band earth observation imagery.

Aperture	90 mm
Band	Visible
Compatible platform	6U CubeSat and larger
Datasheet	Available
GSD	5 m PAN @600 km

price on request [datasheet](#)



KAIRO SPACE

KSOI-VA Optical Imager

Visible-band optical imager for CubeSat earth observation missions.

Band Visible (RGB)

Compatible platform 3U CubeSat and larger

price on request

L3Harris Technologies

UNITED STATES · 2019 · 1 PRODUCT

L3Harris Technologies designs and manufactures advanced tracking satellites for national security and space-based capabilities.



L3HARRIS TECHNOLOGIES

L3Harris Space Instruments and EO Sensors

L3Harris's space-grade electro-optical sensors, focal plane arrays, GOES weather imager (ABI), and advanced space surveillance cameras for government and commercial satellites.

Key products Electro-optical/IR FPAs, ABI weather imager, space surveillance cameras, star trackers

Goes abi 16-band multispectral weather imager on GOES-16/17/18 (NOAA)

Defense programs SBIRS missile warning FPAs, NGA reconnaissance sensors, Space Force systems

Navigation Inertial navigation systems for spacecraft

Formed 2019 (L3 Technologies + Harris Corporation merger)

price on request

German developer of compact, high-resolution optical instruments and multispectral cameras for Earth observation nanosatellites and small satellites.



MARBLE IMAGING
Marble Imaging Satellite (Constellation Spacecraft)

Marble Imaging is developing a scalable constellation of very-high-resolution imaging satellites intended to provide daily global coverage. The first satellite targets a product re

Product resolution (first satellite, VIS/NIR)	Up to 0.7 m
SWIR band resolution (first satellite)	Targeted 6 m
Constellation target resolution	0.5 m
Satellite mass class	~150 kg
Planned constellation size	20 satellites by end of 2028, up to 200 long-term

price on request

materion

UNITED STATES · 1921 · 1 PRODUCT

Materion designs and manufactures advanced materials, including specialty alloys, chemicals, metals, beryllium composites, and optical coatings, for various industries including aerospace and defense.



MATERION
Beryllium Mirror Substrates for Space Telescopes

Materion Corporation (formerly Brush Engineered Materials) is the world's leading producer of beryllium and beryllium-based precision materials and components for aerospace a

price on request

Microgic Electronics designs and builds sophisticated cameras for multiple industries, including space, with flight-proven products for spacecraft and satellites.



MICROGIC
Space-Qualified Camera Systems

Sophisticated cameras for space and aerospace applications by Microgic Electronics.

Type	Custom camera systems and imaging electronics
Applications	Space, aerospace, medical, agriculture

price on request

MinoSpace

CHINA · 2017 · 5 PRODUCTS

Chinese commercial satellite manufacturer building Earth observation, communications, and remote sensing satellites, plus payloads, components, and ground terminal systems.



MINOSPACE
0.5m panchromatic(PAN) & 2m multispectral(MS) Camera

This Earth observation camera provides 0.5m panchromatic and 2m multispectral imagery with a swath over 12km, featuring high SNR and an integrated design for various remote sensing

Panchromatic resolution	0.5m
Multispectral resolution	2m
Swath	over 12 km
Panchromatic SNR	≥40 dB
Multispectral SNR	≥43.5 dB

price on request



MINOSPACE
0.9m panchromatic(PAN) & 3.6m multispectral(MS) camera

This is a high-resolution Earth observation imaging system with panchromatic and multispectral capabilities, featuring a 14.4km swath width and over 40dB SNR.

Panchromatic resolution	0.9m
Multispectral resolution	3.6m
Swath width	over 14.4 km
Signal-to-noise ratio (SNR)	above 40 dB

price on request



MINOSPACE

1U visible light camera

A compact, lightweight, and low-power 1U visible light camera designed for microsattellites and nanosatellites, capable of capturing color images or video with 10m ground resolution

Ground resolution 10 m

price on request



MINOSPACE

2m panchromatic(PAN) & 8m multispectral(MS) camera

A 2m panchromatic and 8m multispectral camera launched into orbit on the MN30-1 satellite platform, designed for comprehensive remote sensing imagery.

Launch date April 27, 2021

Satellite platform MN30-1

Panchromatic resolution 2m

Multispectral resolution 8m

Mass approximately 2.67 kg

price on request



MINOSPACE

5m panchromatic(PAN) & 8-Band multispectral(MS) camera

A 5m panchromatic and 8-band multispectral camera launched aboard the Wenchang-01/02 satellites for high-resolution Earth observation.

Panchromatic resolution 5m

Multispectral bands 8-Band

Launch date February 27, 2022

Launch vehicle/satellite Wenchang-01/02 satellites
(primary payload of Wenchang-1)

Mass approximately 6.5 kg

price on request

Muon Space is the Mission Foundry, designing, building, and operating high-performance satellite constellations for defense, civil, and commercial customers.



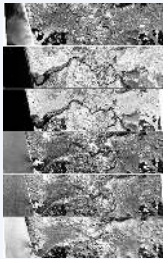
MUON SPACE

FireSat

Purpose-built wildfire detection satellite constellation with a six-channel multispectral infrared payload, developed with Earth Fire Alliance.

Spacecraft platform	Condor-M
Payload	Six-channel multispectral infrared imager
Minimum detectable fire size	5 x 5 meters
Revisit (initial 3-satellite operational constellation)	At least twice daily across fire-prone regions
Revisit target (2029)	Hourly global revisit

price on request



MUON SPACE

Multispectral Infrared (MSIR) Data

Broad-area thermal intelligence across six channels, delivering thermal and environmental intelligence from our Quickbeam instrument.

Channels	Red, NIR, SWIR, MWIR1, MWIR1a, LWIR
Swath Scans	1,500 km
Protoflight Satellite Launch	March 2025
Initial Operational Capability (IOC)	2026 (twice-daily revisit)
Full Operational Capability (FOC)	2030 (hourly global revisit)

price on request

MVP Aerospace

3 PRODUCTS

MVP Aerospace manufactures KissCAMs for universities, commercial satellite manufacturers, and research institutions, with over 50 units supplied.



MVP AEROSPACE

ContextCAM — HD Real-Time Ethernet Video Camera

HD 1280x720 30 FPS real-time Ethernet video camera for space — RTSP/H.264 streaming over 100BASE-T for in-orbit inspection, docking, and AI vision applications. From £3,600.

Resolution	HD, 1280 × 720 pixels
Frame rate	30 FPS
Network interface	100BASE-T Ethernet
Streaming protocol	RTSP over UDP
Video encoding	H.264 (adjustable quality)

\$3 600



MVP AEROSPACE

KissCAM V1.0 — Entry-Level CubeSat Camera

The simplest space camera for 1U CubeSats with limited downlink bandwidth — 480x360 colour, 10g, RS422 UART, delivers a full image in a single UHF ground station pass. Flight herit

Resolution	Colour, 480 × 360 pixels
Mass	10 g
Dimensions	38 × 20 × 17 mm
Lens	Stock wide-angle (included)
Interface	115200 baud UART (RS422)

\$800 [datasheet](#)



MVP AEROSPACE

KissCAM V2.0

Miniature space engineering camera for CubeSats used to monitor the state of deployables or take publicity photos, with flight heritage on multiple commercial missions.

Image sensor	Colour/Mono, 1280 x 960 pixels
Mass	10 g
Dimensions	38 x 20 x 17 mm
Lens options	M12 lens and optical filter options
Interface	115200 bd UART interface (RS422/RS485)

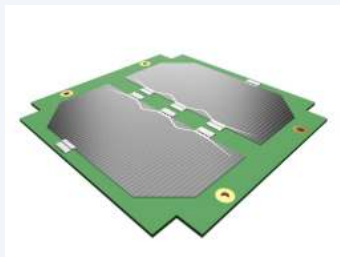
from £1 600

[datasheet](#)

NBSPACE

THAILAND · 2021 · 1 PRODUCT

Thai CubeSat subsystems manufacturer and satellite solutions provider.



NBSPACE

Camera Processing Module

Image-processing module in NBSPACE's Camera System line, supporting customizable spectral imaging (visible, infrared, multispectral) for small satellites.

Product family	Camera System
Spectral capability	Customizable – visible, infrared, and multispectral imaging
Design goal	Reliable operation in the space environment with minimal power consumption

price on request

OHB System AG

GERMANY · 1 PRODUCT

OHB System AG is one of Europe's leading space system providers, developing small and medium-sized satellites for Earth observation, navigation, telecommunications, science and exploration.



OHB SYSTEM AG

EnMAP Hyperspectral Imager (HSI)

Pushbroom hyperspectral imaging instrument covering 420–2450 nm in 228 spectral bands at 30 m GSD, built for ESA/DLR's EnMAP global environmental monitoring satellite.

Spectral range	420–2450 nm (VNIR + SWIR combined)
Spectral bands	228 bands (VNIR ~5 nm sampling; SWIR ~10 nm sampling)
Ground sample distance	30 m
Swath width	30 km
Orbit altitude	~650 km sun-synchronous

price on request

Piersight

INDIA · 2023 · 1 PRODUCT

Indian space-tech company building a constellation of SAR and AIS satellites for persistent maritime surveillance.

PIERSIGHT

Vidura

Vidura is a foliage-penetrating Synthetic Aperture Radar (SAR) payload designed for intelligence, surveillance, and reconnaissance (ISR) in environments where optical systems are i

Band configurations	P-, L-, and X-Band
Resolution	0.5 mts.
Standoff surveillance	3Km.
Payload type	Drone Agnostic Payload
Capability	Foliage Penetration

price on request

Planet Labs PBC

UNITED STATES · 2010 · 1 PRODUCT

US Earth observation company in San Francisco; 200+ Dove/SkySat/Pelican satellites; daily global coverage from 3.7m to 50cm; Planet Platform analytics for agriculture, defence, and finance.



Commercial Satellite Imagery with Planet

Unlock unparalleled insights with Planet’s commercial satellite imagery, utilizing real-time data to drive innovation and make informed decisions.

price on request

Raptor Photonics

UNITED KINGDOM · 7 PRODUCTS

Northern Ireland camera manufacturer supplying CCD, CMOS, and SWIR imaging sensors and cameras with space heritage for LEO CubeSat missions.



RAPTOR PHOTONICS
Eagle 47-10 Space Camera

Deep-cooled back-illuminated 1MP CCD space camera with 7-year vacuum guarantee and >90% QE at 525 nm for LEO CubeSat optical payloads.

Sensor	Back-illuminated 1 MP CCD (Teledyne e2v)
Pixel size	13 μm x 13 μm
Peak qe	>90% @ 525 nm; 50% @ 380 nm and 720 nm
Cooling	Deep-cooled to -90°C (liquid-assisted) or -80°C (air only)
Vacuum guarantee	7 years

price on request

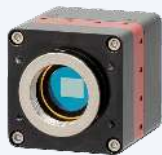


RAPTOR PHOTONICS
Hawk 1920

The Hawk 1920 is a ruggedized camera based on Sony's Pregius sensor, offering high sensitivity and QE up to 75% for demanding applications including space, airborne, and surveillan

Resolution	1944 x 1472
Pixel pitch	4.5μm
Technology	CMOS
Spectral range	0.3μm to 1.1μm
Qe	up to 75%

price on request datasheet



RAPTOR PHOTONICS
Owl 1280

High-sensitivity 1280 x 1024 InGaAs SWIR camera (0.6–1.7μm) with Camera Link output, 10–60Hz frame rate, and an OEM HD-SDI variant, for surveillance and scientific imaging.

Sensor	1280 x 1024 InGaAs
Spectral range	0.6 μm to 1.7 μm
Pixel pitch	10 μm x 10 μm
Readout noise	<28 electrons (rms)
Intra-scene dynamic range	51 dB

price on request datasheet

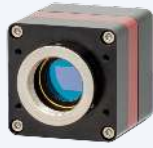


RAPTOR PHOTONICS
Owl 640 M

TEC-less, low-power (<2.5W) variant of the Owl 640 SWIR camera, designed for compact OEM and machine vision integration.

Detector	InGaAs (VIS-SWIR)
Resolution	640 x 512 pixels
Pixel pitch	15 μm
Spectral range	600–1700 nm
Dynamic range	72 dB intrascene

price on request datasheet



RAPTOR PHOTONICS

Owl 640 T

The Owl 640 T is a SWaP-optimised ½" VGA InGaAs SWIR camera with 10µm pixel pitch, low readout noise and on-board AGC/NUC, designed for OEM integration into electro-optic systems.

Sensor format	½" / VGA InGaAs
Pixel pitch	10 µm x 10 µm
Spectral response	0.6 µm to 1.7 µm
Readout noise	<50 Electrons
Intra-scene dynamic range	69 dB

[price on request](#) [datasheet](#)



RAPTOR PHOTONICS

Raptor Photonics Space Camera Solutions

Raptor Photonics offers flight-ready COTS and custom OEM camera solutions for LEO CubeSat missions, covering UV to SWIR wavelengths. These cameras are SWaP optimized, athermalized,

Space heritage	Cameras flying in optical payloads on several live LEO CubeSat missions
Operational duration (LEO)	Over 36 months (some cameras)
Altitude (LEO)	160 to 2,000 kilometers
Speed (LEO)	Approximately 17,000 mph
Wavelength range	UV (180 nm) to SWIR (1700 nm)

[price on request](#)



RAPTOR PHOTONICS

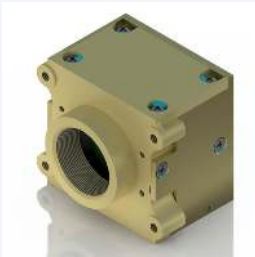
RCMOS Space Camera

Space-qualified CMOS camera for LEO CubeSat integration, combining compact form factor with high sensitivity across 0.3–1.1 µm.

Sensor type	CMOS, global shutter, progressive scan
Spectral range	0.3–1.1 µm (visible + NIR)
Variants	Mono and colour
Form factor	Compact and rugged for CubeSat integration
Space heritage	Operational on LEO CubeSat missions

[price on request](#)

Redwire is an integrated aerospace and defense company that designs and manufactures advanced technologies for space and defense, including optical imaging, sun sensors, solar arrays, and spacecraft p



REDWIRE CORPORATION

Redwire SpectraCAM High Resolution Flight Camera

GigE Vision LEO flight camera for docking, navigation, inspection, and situational awareness, with 5MP CMOS sensor.

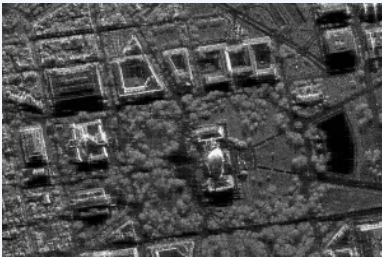
Dimensions (boresight config)	50 x 50 x 47 mm
Mass	<180 g without optics
Power	5 VDC @ 400 mA (full resolution, 10 fps)
Operating temperature	-30C to +55C (mounting plate)
Shutter type	Rolling global reset

price on request

datasheet

SARsatX (CubeSat Arabia)

SARsatX designs, manufactures, integrates, and operates advanced Earth Observation satellites with SAR and optical sensors, providing actionable intelligence for various sectors, primarily in the Midd



SARSATX (CUBESAT ARABIA)

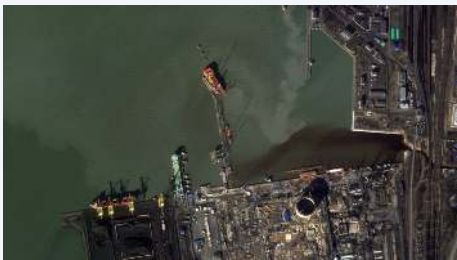
SSX-1 Airborne SAR Payload

Fully-polarimetric X-band airborne SAR demonstrator payload used by SARsatX to validate SAR use cases and refine satellite system design ahead of orbital deployment.

Sensor type	Fully-polarimetric Synthetic Aperture Radar (SAR)
Frequency band	X-band
Slant range resolution	1.5 m
Bandwidth	100 MHz
Peak transmit power	20 W

price on request

Satellogic designs and manufactures Earth Observation satellites, providing high-resolution imagery and geospatial data to agencies, operators, and integrators.



SATELLOGIC
Multispectral Imagery

Satellogic offers affordable, high-frequency, and high-resolution multispectral imagery with low latency access for mission-critical applications.

Resolution	Up to 50cm super resolution
Frequency	Multiple daily revisits
Archive Orders Price	\$4 per km²
Archive Orders Delivery Time	1 hr (if available), 12 hrs (if processing required)
Standard Area Coverage Price	\$8 per km²

price on request [datasheet](#)

Satlantis

Spanish Earth observation company developing high and very high-resolution optical payloads (iSIM family) for smallsats and microsatellites, offering end-to-end imaging solutions from space camera to data delivery.



SATLANTIS
GRAPHIUM Very High Resolution Telescope

50 cm/pixel VHR optical telescope for small satellites with video capability — custom-designed, COTS radiation-tolerant components, advanced manufacturing, unprecedented mass-to-re

Ground resolution	50 cm/pixel
Modes	Imaging and video
Components	COTS radiation-tolerant (LEO)
Design approach	Custom designed for small satellites, first principles
Spectral capability	Panchromatic and multispectral

[price on request](#)



SATLANTIS
iSIM-90 Optical Payload

Lightest and most compact iSIM optical payload for 12U/16U CubeSats — simultaneous VNIR and SWIR imaging, high performance-to-mass ratio. Flight proven.

Platform compatibility	12U / 16U CubeSat
Spectral range	VNIR and/or SWIR (simultaneous)
Technology	iSIM (proprietary, flight proven)
Key characteristic	Lightest and most compact in iSIM family
Design philosophy	High performance-to-mass ratio

price on request

Satrev (SatRevolution)

POLAND · 2016 · 1 PRODUCT

Polish nanosatellite manufacturer and Earth observation company recognized by ESA as a 'Space Tech Rising Star', building CubeSat platforms, subsystems, ground stations, and hosted-payload missions.



SATREV (SATREVOLUTION)

VISION 300 Optical Payload

Space-proven multispectral optical payload for nanosatellites providing 5.8m GSD imagery at 500km altitude across blue, green, and red spectral bands.

Ground sample distance (GSD)	5.8 m @ 500 km altitude
Blue band	450 nm center, 110 nm FWHM
Green band	537 nm center, 125 nm FWHM
Red band	622 nm center, ~100 nm FWHM
Focal length	300 mm

price on request [datasheet](#)

Scanway S.A.

POLAND · 2 PRODUCTS

Poland's first commercial supplier of optical space instruments (Wrocław), building satellite cameras, telescopes, and in-orbit vision systems, with cameras flown on the Ariane 6 maiden flight.



SCANWAY S.A.

Scanway Camera System (SCS)

The Scanway Camera System (SCS) is a series of vision systems for space applications, providing imaging data for spacecraft monitoring, in-space operations, and docking missions. I

Type	CHARACTERISTICS
Applications	Satellite missions that demand precision, durability, and uncompromising image quality.
Cameras in space	0
Years of experience in the field	0
Missions with our cameras	0



SCANWAY S.A.

Scanway Optical Payload (SOP)

The Scanway Optical Payload (SOP) is a product line of satellite cameras for nano- and microsatellites, designed for Earth observation and remote sensing applications, offering var

GSD	<1 to 25 m/pixel
Spectrum	RGB/PAN/NIR/SWIR and multispectral
Cameras in space	0
Years of experience in the field	0
Missions with our cameras	0

price on request

price on request

Sen

UNITED KINGDOM · 2007 · 1 PRODUCT

UK space technology company operating the world's first satellite video and Earth observation streaming platform, delivering near-real-time 4K video of Earth from orbit.

SEN

SpaceTV-1 — Live 4K ISS Earth Streaming Camera Payload

Sen's SpaceTV-1 is a 3-camera 4K UHD video payload on the ISS Bartolomeo external platform (Columbus module): nadir Earth camera (~60 m GSD, ~240×180 km scene), horizon camera, and

Host platform	Airbus Bartolomeo external ISS platform (ESA Columbus module)
Camera count	3 cameras
Video resolution	4K UHD
Nadir camera scene	~240 × 180 km; ~60 m GSD; with real-time AR mapping overlay
Additional cameras	Horizon/limb camera; ISS docking port camera (Harmony forward port)

price on request

Simera Sense

SOUTH AFRICA · 2018 · 6 PRODUCTS

South African manufacturer of optical Earth observation payloads (TriScape, MultiScape, HyperScape) for CubeSats and small satellites, with corporate HQ in Leuven, Belgium.



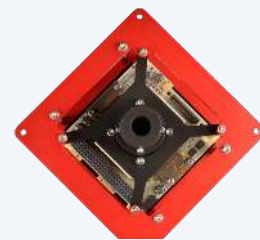
SIMERA SENSE

HyperScape100

The HyperScape100 is a hyperspectral imaging system designed for CubeSats, offering unprecedented imaging capabilities with 32 bands and a 4.75m GSD at 500km.

GSD at 500 km	4.75 m
Swath	19.4 km
Bands	32-Bands From 400 Bands
Form factor	1.5U
Spectral range	460–860

price on request



SIMERA SENSE

HyperScape50

The HyperScape50 is a compact 1U hyperspectral imaging system designed for Earth Observation, capable of capturing spectral content across 32 bands from 460–860 nm.

Focal length	93.9 mm
Aperture	11.75 mm
Full field of view	13.68° (across-track)
Configuration	Pushbroom
Sensor technology	CMOS global shutter

price on request



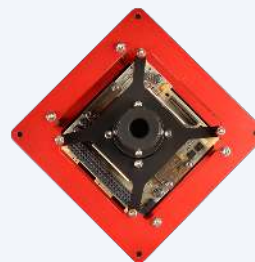
SIMERA SENSE

MultiScape100

The MultiScape100 is a compact Earth Observation camera designed for small satellites, featuring 8 spectral bands in the VNIR range, high spatial resolution, and digital TDI capabi

Focal length	580 mm
Aperture	95 mm
Full field of view	2.22° (across-track)
Configuration	Pushbroom
Sensor technology	CMOS global shutter

price on request



SIMERA SENSE

MultiScape50

The MultiScape50 is an Earth Observation camera designed to capture multispectral imagery in 8 bands, providing daily insights into environmental changes.

GSD at 500 km	30 m
Swath at 500 km	120 km
Bands	8-Bands In the VNIR range
Volume	1U
Pixels	4096 pixels Across track

price on request



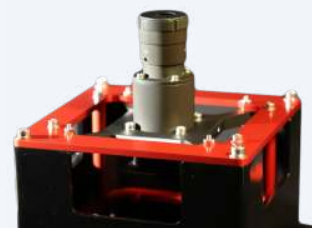
SIMERA SENSE

TriScape100

The TriScape100 is a compact Earth Observation camera designed for rapid and reliable situational and change monitoring from space, offering both snapshot and video modes.

GSD at 500 km	4.75 m
Swath	19.4 km
Resolution	12.6 MP
Form factor	1.5U
Spectral range	450–670 nm

price on request



SIMERA SENSE

TriScape50

The TriScape50 is an Earth Observation camera designed for CubeSats, offering real-time HD video capabilities and covering large areas of Earth quickly.

GSD at 500 km	30 m
Swath at 500 km	120 km
Hd resolution (MPixel)	12.6 MP
Volume	1U
Video	1080p30

price on request

SkyFox Labs s.r.o.

CZECH REPUBLIC · 2014 · 1 PRODUCT

Czech manufacturer (Prague) of Space-Friendly CubeSat and PocketQube subsystems: GNSS/AIS/ADS-B antennas, BusCORE radio terminals, ADCS sensors, and dosimeters, in continuous orbital operation since 2017.



SKYFOX LABS S.R.O.
piCAM/FM (Flight Model)

The piCAM/FM is a space-friendly digital CubeSat camera designed to capture images of celestial bodies, docking satellites, or deployable structures, offering easy integration and

Resolution	VGA
Data Output	JPEG in ASCII HEX format
Connector	6 pin Molex
Serial Bitrate	1k2 to 921k6 selectable (115k2 Default)
Image Capture Time	Within 5 seconds

price on request

SLIMOp Space

SPAIN · 2022 · 1 PRODUCT

SLIMOp Space is a Spanish deep-tech startup developing super-lightweight, low-cost, rapid-delivery high-resolution orbital telescopes and imagers for small and nanosatellites, enabling scalable Earth observation constellation deployment.

SLIMOP SPACE
SLIMOp Orbital Telescope

Super-lightweight, low-cost, rapid-delivery high-resolution orbital telescope for Earth observation on small and nanosatellites.

Application	Earth observation imaging and laser communications payloads for small satellites and nanos
Key differentiators	Super-lightweight optics, low manufacturing cost, rapid delivery vs. conventional space te
Target platforms	Small satellites and CubeSat- class nanosatellites
TRL	Technology development / industrialization stage (pre- commercial as of 2026)

price on request

Smart Satellite Technology

CHINA · 2018 · 1 PRODUCT

Beijing Smart Satellite Space Technology Co., Ltd. is a Chinese commercial satellite company and IAF member, specializing in X-band SAR satellites and miniaturized SAR payloads, developing a constellation for millimeter-level deformation mo



SMART SATELLITE TECHNOLOGY
MiniSAR Airborne Synthetic Aperture Radar System

Lightweight, plug-and-play airborne synthetic aperture radar (SAR) payload for multirotor and VTOL fixed-wing drones and manned aircraft, available in Ku/X/C/L band variants.

Frequency band	Ku / X / C (L-band variant also offered)
Center frequency (Ku)	14.6 GHz
Center frequency (X)	9.6 GHz
Center frequency	5.3 GHz C
Radar type (Ku)	FMCW / pulsed

price on request

Sodern

FRANCE · 1961 · 1 PRODUCT

French world leader in star trackers (Hydra, Auriga, Horus), space cameras, and neutron technology, an ArianeGroup subsidiary delivering attitude sensors to hundreds of satellites worldwide.



SODERN
Auricam™

Auricam™ is a compact, off-the-shelf space camera designed for a wide range of missions including space surveillance, in-orbit services, monitoring, and navigation, offering optima

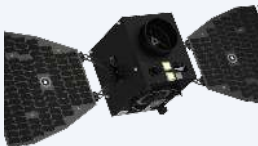
FOV	35 deg diagonal (25 deg square)
Resolution	4 MPx
Sensor	CMOS (B&W or color)
Dimensions	80 x 80 x 140 mm
Mass	420 g

price on request [datasheet](#)

Space Inventor ApS

DENMARK · 2015 · 1 PRODUCT

Space Inventor ApS is a Danish second-generation NewSpace company providing non-ITAR CubeSat, nanosat, and microsat components, platforms, and turnkey satellite missions with full vertical integration, headquartered in Aalborg with offices



SPACE INVENTOR APS
Astro Observatory Microsatellite

Microsatellite configured as an astro observatory with a 300 mm aperture telescope suitable for a range of cameras.

Msrp	From €2,000,000
Telescope aperture	300 mm
Mission focus	Astro observatory - imaging, spectroscopy, stellar classification

\$2 000 000

Space x View

UNITED STATES · 2020 · 1 PRODUCT

Space x View is a space and metaverse startup that merges satellite remote sensing, metaverse development, and blockchain technology to create next-generation spatial domain services.

SPACE X VIEW

Space x View Satellite Imagery Service

High-resolution commercial satellite imagery service delivering sub-meter Earth observation data for defense, agriculture, infrastructure, and urban planning.

Service type	Commercial satellite imagery
Resolution	Sub-meter
Applications	Defense, agriculture, infrastructure, urban planning

price on request

Spacety

CHINA · 2016 · 4 PRODUCTS

Chinese commercial smallsat manufacturer building low-cost cubesats and smallsats, SAR and optical Earth-observation satellites, and shared satellite platforms for hosted payloads.



SPACETY

Chaohu-1 SAR Satellite

Second-generation commercial C-band SAR satellite, launched February 2022, with improved resolution, swath, downlink, and onboard AI data processing.

SAR band	C-band
Generation	2nd-generation Spacety commercial SAR satellite (after Hisea-1)
Data delivery time	Within 6 hours of acquisition (emergency imaging)
Onboard processing	AI-based in-orbit data processing



SPACETY

Hisea-1 SAR Satellite

World's first commercial C-band smallsat SAR satellite with a phased-array antenna, a 185 kg flat-panel foldable design achieving 1 m resolution.

Mass	185 kg
Stowed thickness	7.5 cm (flat-panel foldable design)
SAR band	C-band
Antenna	Active phased-array antenna
Spotlight mode resolution	1 m

price on request

Additional capabilities	Continuous multi-target imaging, precise orbit determination
price on request	



SPACETY	
TY35 (NCHU-1) Multispectral Ecological Monitoring Satellite	
Intelligent multispectral ecological-environment monitoring satellite with an off-axis three-mirror camera and high-QE CMOS detector.	
Optical system	Off-axis three-mirror optical system
Detector	High-quantum-efficiency, low-noise CMOS detector
Lead institution	Nanchang Hangkong University
Applications	Water pollution detection, water quality analysis, algal bloom monitoring, soil and vegeta
Launch vehicle	Zhuque-2A (ZQ-2A), Dongfeng Commercial Aerospace Innovation Test Zone
price on request	



SPACETY	
TY42 (Shenqi-2) C-band SAR Satellite	
Next-generation lightweight, low-cost C-band SAR satellite with operational InSAR capability for millimeter-level surface deformation monitoring.	
SAR band	C-band
Special capability	Operational InSAR (interferometric SAR) for millimeter-level deformation monitoring
Constellation revisit cycle	3-4 days (with Shenqi-1 and Fucheng-1)
Co-developer	Zhangye Constellation Space Technology Co., Ltd.
Launch vehicle	Zhuque-2A (ZQ-2A), Dongfeng Commercial Aerospace Innovation Test Zone
price on request	

SpaceWill (formerly Beijing Space View Technology)

CHINA · 2 PRODUCTS

Beijing-based provider of Earth observation satellite data and geospatial services, operator of the SuperView/SuperView Neo constellation.

SPACEWILL (FORMERLY BEIJING SPACE VIEW TECHNOLOGY)	
BSVT Satellite Imagery Services	
Beijing Space View Technology provides commercial satellite imagery products and geospatial data services for the Chinese and international markets.	
Products	Satellite imagery, geospatial data services
Country	China
price on request	



SPACEWILL (FORMERLY BEIJING SPACE VIEW TECHNOLOGY)	
GaoJing / SuperView Commercial EO Imagery	
SpaceWill (Beijing Space View Technology)'s GaoJing / SuperView high-resolution optical satellite imagery — 0.5 m resolution available commercially for mapping, urban planning, and	
Resolution	0.5 m PAN, 2 m multispectral (4 bands)
Constellation	GaoJing-1 (4 sats, 2016–2019), GaoJing-2 (2023+)
Lead time	Hours from tasking (archive) or next pass (new collect)

Competitors	Airbus Pléiades, Maxar WorldView, Planet SkySat
HQ	Beijing, China (international imagery sales)
price on request	

SSTL (Surrey Satellite Technology)

UNITED KINGDOM · 1985 · 2 PRODUCTS

SSTL designs, builds, tests, and operates small satellites, pioneering the use of COTS components and having launched approximately 70 satellites for 22 countries.



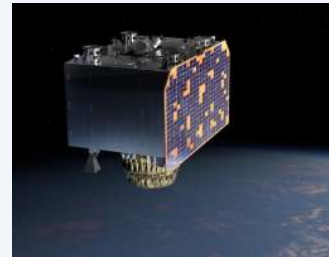
SSTL (SURREY SATELLITE TECHNOLOGY)

DarkCarb

High resolution mid-wave infrared (MWIR) imaging satellite for day and night Earth observation.

GSD	4 m
Swath	4 km
Spectral bands	MWIR (3.7-4.95 μ m)
Throughput	~30 GB (SSTL GSN)
Reference orbit	500 km SSO with 10:30 LTAN

price on request [datasheet](#)



SSTL (SURREY SATELLITE TECHNOLOGY)

Precision

Very high resolution optical Earth observation satellite for mapping, surveillance and security applications.

GSD	Native 0.6 m PAN at reference orbit; 0.3 m effective pixel sampling (4 half-pixel shifted)
Swath	9.7 km at reference orbit
Spectral bands	PAN 450-700 nm; 6 multispectral bands 420-900 nm, up to 4 simultaneous
Throughput	Typically 60,000 km ² /day in strip-capture mode (~70 min downlink/day)
Imaging modes	Strip, Single Spot, Area, Along-Track Stereo, Across-Track Stereo

price on request [datasheet](#)

Surface Optics Corporation

UNITED STATES · 1977 · 3 PRODUCTS

US manufacturer of optical measurement instruments, hyperspectral imaging systems, and thermal control coatings, founded 1977 in San Diego by former Apollo-program aerospace engineers.



SURFACE OPTICS CORPORATION



SURFACE OPTICS CORPORATION

SOC-750 Midwave Infrared Hyperspectral Imager

710 Series Hyperspectral Cameras (HyCore / OmniCore VNIR)

The 710-HyCore VNIR is a compact camera built around a proprietary spectrograph with co-engineered optics and sensor, for integrators or use with the 710 Lab Tower. The 710-OmniCor

Spectral range	375-1025 nm
Spectral channels	784
Spectral resolution (FWHM)	1.65 nm
Spatial channels	1500
Sensor type	CMOS

price on request

The SOC-750 is a real-time, military-grade MWIR hyperspectral imaging system combining a high-speed, high-sensitivity MWIR array with an imaging spectrometer for dynamic scene appl

Spectral range	2-5 μm
Cube acquisition/processing rate	11 cubes per second
Cube dimensions	256 x 240 pixels x 42 bands
Bit resolution	14-bit
Configurations	Two configurations available, differing in focal plane, spectral resolution, spatial resol

price on request

[datasheet](#)



SURFACE OPTICS CORPORATION
SOC-760 VNIR-SWIR Hyperspectral Imager

Portable dual-band (VNIR/SWIR) hyperspectral imager, 0.4-2.5 micron, 650 co-registered bands.

Spectral regions	VNIR/SWIR
Range	400-2500 nm
Spectral resolution	VNIR 2.5 nm / SWIR 5 nm
Bands	650
Spatial resolution	640 px vertical, up to 2048 px horizontal

price on request

[datasheet](#)

TechTheMoon

FRANCE · 2021 · 1 PRODUCT

The world's first incubator dedicated exclusively to the Moon, backed by CNES, supporting entrepreneurs developing solutions for sustainable human presence on the lunar surface.

TECHTHEMOON
METIS — In-Situ Multimodal Optical Imaging System

METIS, incubated by TechTheMoon, offers a new concept in technical imaging instrumentation that provides detection functionalities and enables imaging in situ — eliminating the nee

Measurement method	Optical multimodal imaging with advanced illumination
Analysis type	Chemical properties, material discrimination, defect detection
Key advantage	In-situ analysis – no sample transport required
Applications	Regolith characterization, resource mapping, industrial NDT

price on request

Teledyne e2v

UNITED KINGDOM · 1947 · 1 PRODUCT

UK-based developer of radiation-hardened CCDs, processors, ADCs, and memory devices for space applications. Products have decades of flight heritage on ESA, NASA, and commercial satellite missions.



TELEDYNE E2V

Teledyne e2v Space Imaging Detectors — CCDs and HgCdTe Infrared Sensors for Astronomy

Teledyne Technologies is a US industrial conglomerate whose Teledyne e2v and Teledyne Scientific & Imaging divisions supply precision imaging detectors for space telescopes and

Image Area	92.2 × 92.4 mm
Active Pixels	9216(H) × 9232(V)
Number of output amplifiers	16
Package size	98.5 x 93.7 mm
Focal plane height, above base	20.0 mm

price on request [datasheet](#)

Thoth Technology

CANADA · 2001 · 1 PRODUCT

Canadian space company: Argus infrared spectrometers for nanosatellites, ground stations and deep-space network services.



THOTH TECHNOLOGY

Aurora SWIR Line-Scan Camera

Compact short-wave infrared (SWIR) line-scan camera kit built on Thoth's Argus electronics platform, available in Lab, Space, UAV and Extended-Range grades.

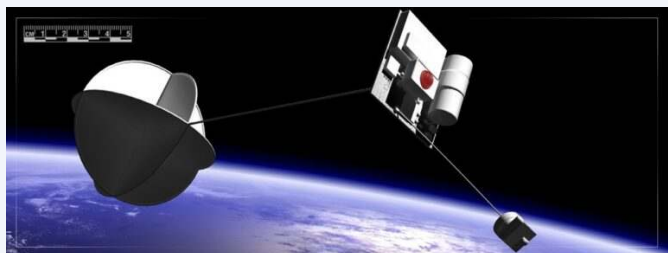
Sensor	InGaAs with integrated optics
Dimensions	46 x 50 x 80 mm
Mass	less than 280 g
Interface	15 mm aperture, 0.15 deg field of view
Operating temperature	Peltier-effect cooled detector

price on request [datasheet](#)

ThumbSat

UNITED STATES · 2014 · 1 PRODUCT

US femtosatellite access-to-space provider; hosted-payload ThumbSat modules from about \$20,000 with launches via CAS Space, supported by the citizen-science ThumbNet ground-station network.



THUMBSAT

ThumbSat

Femtosatellite-class hosted-payload module (~48x48x15-32mm, up to 25g) that flies student, research or artistic experiments to low Earth orbit as a shared-bus mission starting at a

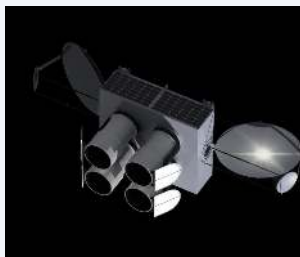
Payload envelope	48 x 48 x (15-32) mm
Payload mass	up to 25 g
Camera	CMOS, active array 2048(H) x 1536(V) pixels; optional microscope, macro or telescope lens
Onboard memory	128 MB or 512 MB flash
Transmitter	100 mW, 400 MHz band

from \$20 000 [datasheet](#)

TransAstra

UNITED STATES · 2017 · 1 PRODUCT

Trans Astronautica Corporation (TransAstra) is a deep space technology company pioneering in-space logistics and asteroid mining. Founded in 2017 and backed by NASA, DARPA, AFRL, Space Force, and Y Combinator, TransAstra develops capabiliti



TRANASTRA

Sutter TKO™ (Turnkey Observatory)

The Sutter TKO (Turnkey Observatory) is a modular, rapidly deployable sky survey system for space domain awareness in MEO, GEO, and beyond. Designed to outperform every commercial

price on request

US visual intelligence company in Irvine, CA; satellite imaging payloads and mission control software for proximity operations, SDA, and space object characterisation.



TRL11
TRL11 Technology Suite (xClops, Modular Payloads, HANS, Fovea, VIPOnly, VIPLink, VIP1ST, BMC3)

TRL11 offers a comprehensive suite of space-qualified technologies for machine vision, data processing, and communication, including AI-enabled payloads, networking hardware, camer

Xclops payloads - cameras	2-4 full-motion 4k video cameras
Xclops payloads - processor	Advanced AI-enabled edge processor
Xclops payloads - rating	GE0 rated
Xclops payloads - flight heritage	Proven on orbit for object tracking, and autonomous rendezvous
Xclops payloads - object characterization range	20-50 km

price on request

Tsd-space

Italian space imaging and avionics company in Pozzuoli; cameras, focal plane arrays, image compression, OBCs, C&DH systems, power management, and ground segment equipment.



TSD - SPACE
SMC – Spacecraft Monitoring Camera

The HERA Spacecraft Monitoring Camera (SMC) is a compact, high-performance CMOS camera designed for deep space applications, featuring a 4MP image sensor, real-time image processin

Dimensions	~1U
Mass (including optical system)	900 g
Image sensor	4 MP CMOS
Selectable roi	1600x1600px and 1600x1200px



TSD - SPACE
SMC — Spacecraft Monitoring Camera

Very compact deep-space CMOS monitoring camera developed for ESA's HERA mission.

Mass	~900 g including optical system
Volume	~1U
Image sensor	4 MP, selectable ROI 1600x1600px or 1600x1200px
Frame rate	up to 10 fps

Frame rate	Up to 10 fps
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price on request

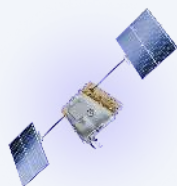
Spectral range	400–750 nm (visible), B/W and RGB versions
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price on request

Wyvern

CANADA · 2023 · 1 PRODUCT

Wyvern provides commercial hyperspectral imaging from satellites for various industries, offering high-resolution data for environmental and resource management.



WYVERN

Dragonette Hyperspectral Satellite

Wyvern's Dragonette hyperspectral imaging CubeSats providing 420–1000 nm spectral data for precision agriculture, forestry, water quality, and minerals mapping.

Spectral range	420–1000 nm (VIS + NIR)
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Spectral bands	100+ contiguous bands (hyperspectral)
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Spatial resolution	1.5 m
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Form factor	CubeSat (Dragonette series)
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Applications	Precision agriculture, forestry, water quality, mineral exploration
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price on request

XCAM

UNITED KINGDOM · 2001 · 2 PRODUCTS

XCAM designs space-qualified CubeSat cameras, scientific X-ray detectors, in-vacuum cameras, and particle fallout monitors for space and scientific research applications.



XCAM

C3D CubeSat Camera

Space-qualified modular CubeSat imaging system supporting up to three CMOS sensors with TRL 9 flight heritage since 2014.

Spatial resolution (at 650 km)	360 m GSD
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Image sensor	1.3 MP CMOS, 5/4 aspect ratio, RGB or B&W
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Pixel size	5.3 um
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XCAM

NuSCIS Space Camera

Compact multi-sensor SmallSat/CubeSat imaging payload with CAN-Bus and SpaceWire interfaces, supporting CMOS, CCD, and EMCCD detectors.

Dimensions	9.5 x 9.1 x 2.7 cm
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Format	PC104 1/4U
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Mass	From 100 g
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Sensor resolution	1280 x 1024 pixels
Standard lens	9.6 mm F/3.0 COTS
price on request	

Peak power consumption	4 W
Power interface	5 V
price on request	

Xi'an Institute of Optics and Precision Mechanics (XIOPM)
CHINA · 1962 · 2 PRODUCTS

Chinese Academy of Sciences research institute in Xi'an developing space optics, precision photonic instruments, and optical remote sensing payloads for China's satellite and space programs.

XI'AN INSTITUTE OF OPTICS AND PRECISION MECHANICS (XIOPM)
Interference Spectral Imaging System

Space-grade interference spectral imagers for Earth observation and planetary science, developed by XIOPM's Spectral Imaging Technique Laboratory.

Technology	Fourier-transform interference spectral imaging
Spectral range	Visible to near-infrared (VIS-NIR)
Application	Earth observation, planetary science, environmental monitoring
Organization	Key Laboratory of Spectral Imaging Technology, Chinese Academy of Sciences
Flight heritage	Flight heritage on Chinese Earth observation satellites

price on request

XI'AN INSTITUTE OF OPTICS AND PRECISION MECHANICS (XIOPM)
Space-borne Optical Camera Systems

Space-borne remote sensing cameras up to 3 m aperture by XIOPM's Laboratory of Space Optics Technology.

Aperture	Up to 3 m fabrication and test capability
Applications	Remote sensing, astronomical observation, machine vision
Facilities	13,400 m2 incl. optical super-clean laboratory

price on request

Xiomas Technologies
UNITED STATES · 2008 · 3 PRODUCTS

Xiomas Technologies develops high-performance air- and space-borne thermal, multispectral, and hyperspectral imaging systems for wildfire mapping, remote sensing, and defense/aerospace applications.

XIOMAS TECHNOLOGIES
Xiomas Airborne Multispectral Sensor (AMS / Daedalus Scanner)

XIOMAS TECHNOLOGIES
Xiomas TBIRD (Three Band IR Detector)

Compact three-band thermal-infrared sensor developed for a multi-layered constellation of CubeSats, high-altitude aircraft, and stratospheric balloons

Next-generation airborne multispectral scanner built on the legacy Daedalus hyperspectral/multispectral scanner line, acquired by Xiomas in 2023 for commercial remote-sensing use.

Product lineage	Successor to the Daedalus Airborne Hyperspectral Scanner (AHS) and Daedalus multispectral
Sensor type	Airborne multispectral scanner
Target market	Commercial remote sensing, global operation
Heritage applications	Oil-spill detection (Swedish Coast Guard), land-use and urban mapping (Consiglio Nazionale
Development status	In development as of 2023-2026, commercial launch planned
price on request datasheet	

for global fire and thermal m

Sensor type	Three-band thermal-infrared (IR) detector
Platform compatibility	CubeSats, low-Earth polar and elliptical orbit small satellites
Additional deployment	High-altitude, long-endurance solar aircraft; stratospheric balloons; low-altitude aircraft
Mission concept	Multi-layered constellation for global high-precision measurement of fire intensity and ot
Development program	NASA SBIR contracts, 2018-2023 (preliminary design 2018, development contract 2019, Phase
price on request datasheet	



XIOMAS TECHNOLOGIES

Xiomas Wide Area Imager (WAI)

Airborne step-stare multispectral/thermal-infrared imaging system combining high spatial resolution with a wide, programmable field of view for rapid wide-area mapping.

Optical architecture	Step-Stare optical system
Spectral bands	Multi-band system, 2-5 bands
Thermal detector	2-band QWIP for mid-wave and long-wave infrared
Visible/NIR detector	3-band color infrared sensor (green, red, NIR)
Spatial resolution	300 microradian (high resolution)
price on request datasheet	

Xiphos Technologies designs low-SWaP Zynq and Versal-based computing modules and on-board computers for SmallSats, offering 120+ years of cumulative flight heritage.



XIPHOS TECHNOLOGIES

Q8 Optical Payload Processor

High-performance image processing daughterboard for the Q8, featuring dual Camera Link interfaces for space-based Earth observation.

Camera interfaces	1x Base Camera Link, 1x Medium Camera Link (configurable as LVDS)
Serial interfaces	RS-485 / RS-422
Network	Gigabit Ethernet
Timing	PPS input and output
Ancillary functions	Heater power control, temperature sensing

price on request [datasheet](#)

Xplore Inc.

Space-as-a-service company providing hyperspectral Earth observation data, on-orbit edge computing, and satellite operations software via its XCRAFT satellite platform.



XPLORE INC.

Xplore Space Telescope (XST)

Family of commercial space telescopes built on the XCRAFT bus, developed with W. M. Keck Observatory.

Base platform	XCRAFT ESPA-class bus
Mission regimes	LEO, cislunar space
Science partner	W. M. Keck Observatory

price on request

ZeroG Lab (Zero Gravity Lab) develops integrated satellite systems and space-based intelligence solutions for government and enterprise customers. The company works across the full chain: satellite platforms and payloads, onboard systems, E



ZEROG LAB
Optical Cameras for Earth Observation

Ultra-sensitive imaging payloads with adaptive optics for real-time Earth monitoring.

price on request

Manufacturers in this sector

21st Century Space

China · 2001 · 1 product

Pioneer of commercial satellite remote sensing in China, operating Beijing satellite constellation for remote sensing big data services.

3D Plus (HEICO)

France · 1995 · 4 products

World-leading manufacturer of space electronic components using proprietary 3D interconnect technology for extreme miniaturization.

AAC Clyde Space

Sweden · 1999 · 1 product

AAC Clyde Space provides small satellite technologies and space-based data services, offering end-to-end solutions from satellite components to data analytics for various applications.

Aistech Space

Spain · 2015 · 4 products

Aistech Space provides high-resolution thermal imagery from its satellite constellation to monitor human activity and thermal signatures for various industries.

Albedo

United States · 2020 · 2 products

Developer of very-low-Earth-orbit (VLEO) imaging satellites providing 10 cm ground resolution — the highest resolution permitted commercially.

ALTER Technology

Spain · 1986 · 1 product

ALTER Technology provides laboratory and engineering services for high-reliability EEE components, specializing in microelectronics and optoelectronics engineering, procurement, assembly, and

Arcfield (formerly Orion Space Solutions)

United States · 2006 · 1 product

Arcfield's Orion Space Solutions designs, builds and deploys spacecraft, optical and ionospheric sensors, and space-environment models for defense, civil and commercial space missions, with

Arquimea

Spain · 2007 · 1 product

Spanish space technology company founded 2007 in Leganes, developing MEMS relay switches, SiC power devices, and miniaturized power conditioning units for satellite applications.

Berlin Space Technologies

Germany · 2010 · 4 products

Berlin Space Technologies (BST) designs and mass manufactures small satellite systems and technologies, providing end-to-end solutions for space missions.

Canon Electronics - Space

Japan · 1954 · 1 product

Canon Electronics Inc. develops and manufactures small artificial satellites and their components, alongside a diverse range of precision machinery, electronic equipment, and optical product

CAVU Aerospace

United Kingdom · 2016 · 2 products

CAVU Aerospace designs and manufactures spacecraft avionics, including radiation-tolerant onboard computers, thermal control units, frame grabbers, and flight-proven satellite cameras for sp

CC Explorations

United States · 1 product

Satellite-enabled mineral exploration firm using proprietary AMRT™ technology to detect subsurface resources including precious metals, oil & gas, and groundwater across 50+ countries — non-

Chang Guang Satellite Technology

China · 2014 · 1 product

Operator of China's first commercial remote sensing constellation "Jilin-1", providing sub-meter optical imagery and video for government and commercial clients.

China Siwei Surveying & Mapping

China · 1 product

Chinese commercial remote sensing company operating the SuperView (Gaojing) high-resolution satellite constellation, providing sub-meter EO imagery and geospatial services.

cosine (Berlin Adlershof)

Netherlands · 2001 · 2 products

Dutch space instrumentation company designing optical payloads and hyperspectral imaging systems for satellites.

Crystal Space

Estonia · 2013 · 2 products

Crystal Space designs and manufactures cameras and smart cameras for satellites, rovers, landers, and UxS, with over 200 cameras delivered and 12,500+ collective days in space.

Diffraction

United States · 2 products

Quantum camera developer whose beyond-diffraction-limit imaging technology was developed for NASA/DARPA and is designed for space-based Earth and space intelligence.

Dragonfly Aerospace

South Africa · 2019 · 8 products

South African manufacturer of high-performance electro-optical imaging payloads and satellite platforms for Earth observation.

EOI Space (Earth Observant)

United States · 2016 · 1 product

US developer of Very Low Earth Orbit (VLEO) 'Stingray' satellites delivering 15cm-resolution imagery.

First Light Imaging

France · 2012 · 6 products

French scientific imaging company developing ultra-sensitive cameras for astronomy, space, and life science applications.

GalaxEye Space

India · 2020 · 1 product

GalaxEye Space is an Indian Earth observation company, spun out of IIT Madras, developing OptoSAR — a satellite payload that fuses SAR and multispectral optical imagery from a single co-loc

Glavkosmos

Russia · 1985 · 6 products

Glavkosmos coordinates international human spaceflight projects, facilitates satellite launches, develops and supplies rocket components, and provides equipment for space crews.

GomSpace

Denmark · 2007 · 1 product

GomSpace is a Danish CubeSat manufacturer producing satellite platforms, subsystems, and end-to-end mission solutions. Products include the NanoCom radio modules, NanoPower EPS, and complete

Hanwha Systems

South Korea · 2011 · 1 product

Hanwha Systems is South Korea's premier defense electronics company and the only Korean firm capable of developing EO/IR and SAR satellite payloads, providing space capabilities from reconna

HEAD Aerospace

China · 2016 · 1 product

Chinese commercial Earth observation company operating a multi-spectral and hyperspectral constellation for global change detection and land use monitoring.

HEO Robotics

Australia · 2016 · 2 products

HEO delivers non-Earth imaging (NEI) at scale, providing high-volume imagery and insights on satellites and other objects in orbit using a global sensor network and proprietary tasking softw

Hongqing Technology (鸿擎科技)

China · 2021 · 1 product

Beijing satellite constellation company partnered with Blue Arrow Aerospace; develops communications, remote sensing, and science satellites plus in-house Jinwu propulsion, Chiyu power, and

HyperSat

United States · 2015 · 1 product

HyperSat LLC is a US-based hyperspectral satellite imaging company developing a constellation of advanced hyperspectral imaging satellites delivering persistent, global hyperspectral intelli

Infinity Avionics

4 products

Infinity Avionics designs and manufactures spaceflight-proven camera systems and edge processors for various in-orbit applications, with over 60 payloads in orbit.

ispace

Japan · 2010 · 1 product

ispace, inc. is a Japanese commercial lunar exploration company founded in 2010 by Takeshi Hakamada, headquartered in Tokyo, developing lunar landers and rovers to establish a sustained huma

Kairo Space

South Korea · 5 products

South Korean nanosatellite manufacturer offering CubeSat platforms, optical imagers, star trackers, solar panels, EPS, structures, and deployers for the commercial small satellite market.

L3Harris Technologies

United States · 2019 · 1 product

L3Harris Technologies designs and manufactures advanced tracking satellites for national security and space-based capabilities.

Marble Imaging

Germany · 2023 · 1 product

German developer of compact, high-resolution optical instruments and multispectral cameras for Earth observation nanosatellites and small satellites.

materion

United States · 1921 · 1 product

Materion designs and manufactures advanced materials, including specialty alloys, chemicals, metals, beryllium composites, and optical coatings, for various industries including aerospace an

Microgic

Israel · 1 product

Microgic Electronics designs and builds sophisticated cameras for multiple industries, including space, with flight-proven products for spacecraft and satellites.

MinoSpace

China · 2017 · 5 products

Chinese commercial satellite manufacturer building Earth observation, communications, and remote sensing satellites, plus payloads, components, and ground terminal systems.

Muon Space

United States · 2021 · 2 products

Muon Space is the Mission Foundry, designing, building, and operating high-performance satellite constellations for defense, civil, and commercial customers.

MVP Aerospace

3 products

MVP Aerospace manufactures KissCAMs for universities, commercial satellite manufacturers, and research institutions, with over 50 units supplied.

NBSpace

Thailand · 2021 · 1 product

Thai CubeSat subsystems manufacturer and satellite solutions provider.

OHB System AG

Germany · 1 product

OHB System AG is one of Europe's leading space system providers, developing small and medium-sized satellites for Earth observation, navigation, telecommunications, science and exploration.

Piersight

India · 2023 · 1 product

Indian space-tech company building a constellation of SAR and AIS satellites for persistent maritime surveillance.

Planet Labs PBC

United States · 2010 · 1 product

US Earth observation company in San Francisco; 200+ Dove/SkySat/Pelican satellites; daily global coverage from 3.7m to 50cm; Planet Platform analytics for agriculture, defence, and finance.

Raptor Photonics

United Kingdom · 7 products

Northern Ireland camera manufacturer supplying CCD, CMOS, and SWIR imaging sensors and cameras with space heritage for LEO CubeSat missions.

Redwire Corporation

United States · 2020 · 1 product

Redwire is an integrated aerospace and defense company that designs and manufactures advanced technologies for space and defense, including optical imaging, sun sensors, solar arrays, and sp

SARsatX (CubeSat Arabia)

Saudi Arabia · 2023 · 1 product

SARsatX designs, manufactures, integrates, and operates advanced Earth Observation satellites with SAR and optical sensors, providing actionable intelligence for various sectors, primarily i

Satellogic

United States · 2010 · 1 product

Satellogic designs and manufactures Earth Observation satellites, providing high-resolution imagery and geospatial data to agencies, operators, and integrators.

Satlantis

Spain · 2014 · 2 products

Spanish Earth observation company developing high and very high-resolution optical payloads (iSIM family) for smallsats and microsatellites, offering end-to-end imaging solutions from space

Satrev (SatRevolution)

Poland · 2016 · 1 product

Polish nanosatellite manufacturer and Earth observation company recognized by ESA as a 'Space Tech Rising Star', building CubeSat platforms, subsystems, ground stations, and hosted-payload m

Scanway S.A.

Poland · 2 products

Poland's first commercial supplier of optical space instruments (Wroclaw), building satellite cameras, telescopes, and in-orbit vision systems, with cameras flown on the Ariane 6 maiden flig

Sen

United Kingdom · 2007 · 1 product

UK space technology company operating the world's first satellite video and Earth observation streaming platform, delivering near-real-time 4K video of Earth from orbit.

Simera Sense

South Africa · 2018 · 6 products

South African manufacturer of optical Earth observation payloads (TriScape, MultiScape, HyperScape) for CubeSats and small satellites, with corporate HQ in Leuven, Belgium.

SkyFox Labs s.r.o.

Czech Republic · 2014 · 1 product

Czech manufacturer (Prague) of Space-Friendly CubeSat and PocketQube subsystems: GNSS/AIS/ADS-B antennas, BusCORE radio terminals, ADCS sensors, and dosimeters, in continuous orbital operati

SLIMOp Space

Spain · 2022 · 1 product

SLIMOp Space is a Spanish deep-tech startup developing super-lightweight, low-cost, rapid-delivery high-resolution orbital telescopes and imagers for small and nanosatellites, enabling scala

Smart Satellite Technology

China · 2018 · 1 product

Beijing Smart Satellite Space Technology Co., Ltd. is a Chinese commercial satellite company and IAF member, specializing in X-band SAR satellites and miniaturized SAR payloads, developing a

Sodern

France · 1961 · 1 product

French world leader in star trackers (Hydra, Auriga, Horus), space cameras, and neutron technology, an ArianeGroup subsidiary delivering attitude sensors to hundreds of satellites worldwide.

Space Inventor ApS

Denmark · 2015 · 1 product

Space Inventor ApS is a Danish second-generation NewSpace company providing non-ITAR CubeSat, nanosat, and microsat components, platforms, and turnkey satellite missions with full vertical i

Space x View

United States · 2020 · 1 product

Space x View is a space and metaverse startup that merges satellite remote sensing, metaverse development, and blockchain technology to create next-generation spatial domain services.

Spacety

China · 2016 · 4 products

Chinese commercial smallsat manufacturer building low-cost cubesats and smallsats, SAR and optical Earth-observation satellites, and shared satellite platforms for hosted payloads.

SpaceWill (formerly Beijing Space View Technology)

China · 2 products

Beijing-based provider of Earth observation satellite data and geospatial services, operator of the SuperView/SuperView Neo constellation.

SSTL (Surrey Satellite Technology)

United Kingdom · 1985 · 2 products

SSTL designs, builds, tests, and operates small satellites, pioneering the use of COTS components and having launched approximately 70 satellites for 22 countries.

Surface Optics Corporation

United States · 1977 · 3 products

US manufacturer of optical measurement instruments, hyperspectral imaging systems, and thermal control coatings, founded 1977 in San Diego by former Apollo-program aerospace engineers.

TechTheMoon

France · 2021 · 1 product

The world's first incubator dedicated exclusively to the Moon, backed by CNES, supporting entrepreneurs developing solutions for sustainable human presence on the lunar surface.

Teledyne e2v

United Kingdom · 1947 · 1 product

UK-based developer of radiation-hardened CCDs, processors, ADCs, and memory devices for space applications. Products have decades of flight heritage on ESA, NASA, and commercial satellite mi

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Canada · 2001 · 1 product

Canadian space company: Argus infrared spectrometers for nanosatellites, ground stations and deep-space network services.

ThumbSat

United States · 2014 · 1 product

US femtosatellite access-to-space provider; hosted-payload ThumbSat modules from about \$20,000 with launches via CAS Space, supported by the citizen-science ThumbNet ground-station network.

TransAstra

United States · 2017 · 1 product

Trans Astronautica Corporation (TransAstra) is a deep space technology company pioneering in-space logistics and asteroid mining. Founded in 2017 and backed by NASA, DARPA, AFRL, Space Force

TRL11

United States · 2022 · 1 product

US visual intelligence company in Irvine, CA; satellite imaging payloads and mission control software for proximity operations, SDA, and space object characterisation.

Tsd-space

Italy · 1977 · 2 products

Italian space imaging and avionics company in Pozzuoli; cameras, focal plane arrays, image compression, OBCs, C&DH systems, power management, and ground segment equipment.

Wyvern

Canada · 2023 · 1 product

Wyvern provides commercial hyperspectral imaging from satellites for various industries, offering high-resolution data for environmental and resource management.

XCAM

United Kingdom · 2001 · 2 products

XCAM designs space-qualified CubeSat cameras, scientific X-ray detectors, in-vacuum cameras, and particle fallout monitors for space and scientific research applications.

Xi'an Institute of Optics and Precision Mechanics (XIOPM)

China · 1962 · 2 products

Chinese Academy of Sciences research institute in Xi'an developing space optics, precision photonic instruments, and optical remote sensing payloads for China's satellite and space programs.

Xiomas Technologies

United States · 2008 · 3 products

Xiomas Technologies develops high-performance air- and space-borne thermal, multispectral, and hyperspectral imaging systems for wildfire mapping, remote sensing, and defense/aerospace appli

Xiphos Technologies

Canada · 2003 · 1 product

Xiphos Technologies designs low-SWaP Zynq and Versal-based computing modules and on-board computers for SmallSats, offering 120+ years of cumulative flight heritage.

Xplore Inc.

United States · 2017 · 1 product

Space-as-a-service company providing hyperspectral Earth observation data, on-orbit edge computing, and satellite operations software via its XCRAFT satellite platform.

ZeroG Lab

China · 2016 · 1 product

ZeroG Lab (Zero Gravity Lab) develops integrated satellite systems and space-based intelligence solutions for government and enterprise customers. The company works across the full chain: sa

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