



SPACE AND INTELLIGENCE SYSTEMS

SYSTEMS FOR EARTH AND SPACE OBSERVATION, SATELLITE COMMUNICATIONS

With experience that spans the imagery programs of the 1950s to today's Global Positioning System and new-generation weather satellite programs, Harris delivers space and intelligence systems that put actionable information into the hands of decision makers when and where they need it.

BENEFITS

Connect – Harris technology puts data in your hands when and where it is needed.

Inform – Our advanced sensors, processing capabilities, and analysis tools provide vital information.

Protect – From weather data and analyses to situational awareness, Harris technology helps protect lives and infrastructure.

PROVIDING INSIGHTS FOR A BETTER WORLD

Harris serves government and commercial markets by developing and applying cutting-edge technology to connect, inform, and protect™.

Our Space and Intelligence business designs, manufactures, and integrates systems for Earth and space observation and for satellite communications. Our expertise encompasses advanced sensors, specialty components, and

ground receiving and high-volume processing systems. Our analytical tools help users make more informed decisions. We develop efficient enterprise architectures, applying our decades of experience integrating critically important systems and our in-depth understanding of our customers' missions. We help sustain complex systems for cost-effective life-cycle management and future growth.

FACTS

Harris products have been onboard every manned U.S. space mission and every U.S. GPS satellite.

Harris space reflectors and antennas have logged more than 800 years of collective on-orbit performance.

New-generation weather satellites, Himawari-8 and GOES-R, rely on Harris-built sensors.

Harris' wide area motion imagery sensors have delivered over 10,000 hours of airborne persistent surveillance for military operations.

Harris is helping to build the James Webb Space Telescope, the successor to the Hubble Space Telescope.

Harris introduced the world's first commercial Geiger-mode LiDAR sensor, which provides higher quality elevation data.

GreenLITE™, codeveloped by Harris and AER, is the only remote sensing system that measures greenhouse gases at a two-dimensional level over an area as large as a city.

About Harris Corporation

Harris Corporation is a leading technology innovator that creates mission-critical solutions that connect, inform and protect the world. The company's advanced technology provides information and insight to customers operating in demanding environments from ocean to orbit and everywhere in between. Harris has approximately \$8 billion in annualized revenue and supports customers in 125 countries through four customer-focused business segments: Communication Systems, Space and Intelligence Systems, Electronic Systems, and Critical Networks.

ANALYTICAL INSTRUMENTATION

Harris provides the precise and reliable power supplies and ion detectors that are at the heart of critical analytical instrumentation commonly used in fields as diverse as biotechnology, materials science, healthcare, forensics, environmental sciences, and homeland security.

ENERGY SOLUTIONS

Harris is working to protect natural resources and improve the economics of heavy oil by applying our expertise in radio frequency technology and solvent injection to an innovative approach that optimizes the extraction process.

ENVIRONMENTAL SOLUTIONS

Harris designs and builds instruments to help measure, understand, and monitor real-time weather and long-term climate cycles. The world's new-generation environmental satellite systems rely on Harris imagers to deliver weather and climate data back to Earth at unprecedented resolutions and speeds. Our weather ground processing, capable of handling multiple missions simultaneously across a common architecture, enables users to realize the full benefits of the new imaging technology.

GEOSPATIAL SOLUTIONS

Since 1990, Harris has created geospatial information solutions that meet the exacting—and often unique—needs of government and commercial customers. We are making it easier and more cost effective to analyze the physical environment with the world's most advanced data collection sources, innovative software tools, and high-volume, high-accuracy processing services.

INTELLIGENCE, SURVEILLANCE, AND RECONNAISSANCE

From sensor to decision, Harris offers comprehensive space and airborne remote sensing capabilities. We improve situational awareness with high-performance sensor payloads in the air and in space. Our integrated processing

solutions on the ground and on airborne platforms extract critical information and reduce time to high-confidence decisions. We help our customers achieve their space missions more quickly and cost effectively by brokering, designing, and integrating multimission payloads. We also develop imaging systems that provide the highest commercial resolutions available in a small, affordable package.

POSITIONING, NAVIGATION, AND TIMING

Harris is the leading global provider of positioning, navigation, and timing products, systems, and solutions. Our navigation payload technology has been on every U.S. Global Positioning System (GPS) satellite ever launched and is critical to GPS availability, accuracy, and integrity.

SPACE ANTENNAS AND STRUCTURES

We are the most experienced reflector manufacturer in the world and the number-one provider of large, high-accuracy reflectors. From unfurlable and fixed-mesh reflector antennas to solid spot beam antennas, our solutions successfully deliver significantly higher data rates and access greater amounts of bandwidth than standard satellite antenna technologies. Our structural solutions keep sensors stable in space.

SPACE SUPERIORITY

Harris provides the full spectrum of enterprise architecture solutions needed to gain, maintain, and exploit space superiority. We apply our proven, Department of Defense standards-compliant processes, tools, and training to design, integrate, and sustain space situational awareness and offensive and defensive space control systems.

UNIVERSE EXPLORATION

We specialize in large precision optics for aerospace, astronomy, and microlithography applications. We manufacture small to large optical flats for ground-based laser fusion programs, medium and large off-axis aspheric mirrors for orbiting telescopes, and a varying size range of spherical and aspherical mirrors for ground-based telescopes.

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HARRIS® TECHNOLOGY TO CONNECT,
INFORM AND PROTECT™