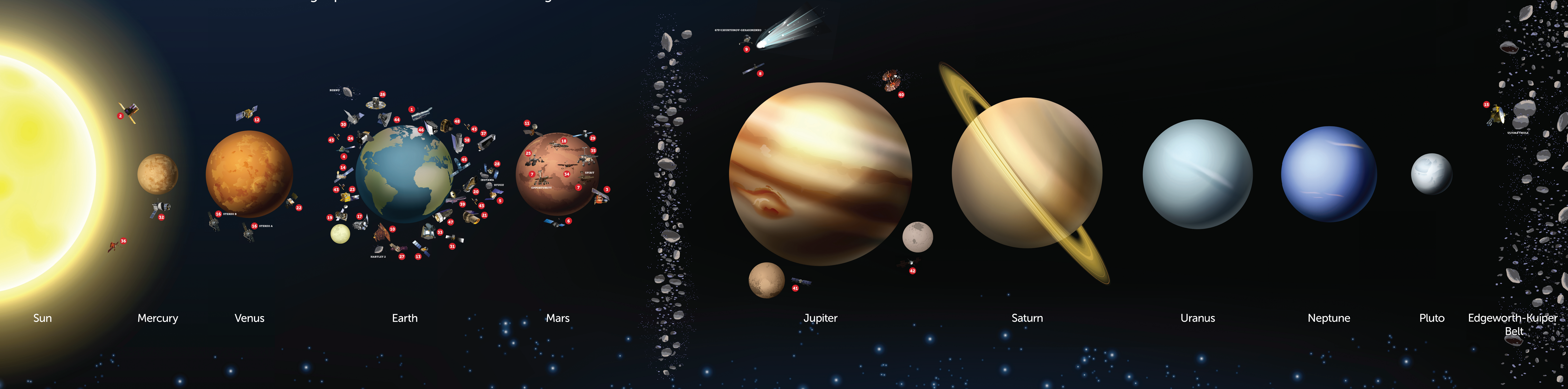


Teledyne Exploring the Universe

Teledyne enables the study of the universe, from the discovery of exoplanets to making it possible to advance our knowledge of the cosmos.



Mission Index

Company Index

E2V	TELEDYNE e2v	Visible CCD & CMOS Imaging Sensors
DALSA	TELEDYNE DALSA	Visible CCD & CMOS Imaging Sensors
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REYNOLDS	TELEDYNE REYNOLDS	Cables/Connectors
OPTICH	TELEDYNE OPTICH	LIDAR
TES	TELEDYNE ENERGY SYSTEMS	Thermal Power Systems
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JUDSON	TELEDYNE JUDSON	Infrared Diodes & FPAs

† Part number not available, may represent more than one product on the mission

1		MISSION SPACE AGENCY DESCRIPTION LAUNCH YEAR COMPANY PRODUCTS HUBBLE SPACE TELESCOPE (HST) ESA/NASA Revolutionised modern astronomy 1990 e2v, Reynolds, TIS CCD41-82, HIR, SIDECAR ASIC, Cables/Connectors
2		MISSION SPACE AGENCY DESCRIPTION LAUNCH YEAR COMPANY PRODUCTS SOHO ESA Facing the sun 1995 e2v CCD47-20
3		MISSION SPACE AGENCY DESCRIPTION LAUNCH YEAR COMPANY PRODUCTS MARS SURVEYOR '98 PROGRAM ESA Mars Climate Orbiter and Polar Lander 1998 e2v TH7895M
4		MISSION SPACE AGENCY DESCRIPTION LAUNCH YEAR COMPANY PRODUCTS XMM-NEWTON ESA Studying the X-ray sources 1999 e2v CCD02-06, CCD15-30, CCD22
5		MISSION SPACE AGENCY DESCRIPTION LAUNCH YEAR COMPANY PRODUCTS HAYABUSA (MUSES-C) JAXA Asteroid explorer 2003 e2v, Reynolds CCD47-20, Cables/Connectors
6		MISSION SPACE AGENCY DESCRIPTION LAUNCH YEAR COMPANY PRODUCTS MARS EXPRESS ESA Investigating the Red Planet 2003 e2v TH7890B, CCD47-20
7		MISSION SPACE AGENCY DESCRIPTION LAUNCH YEAR COMPANY PRODUCTS MARS EXPLORATION ROVERS: SPIRIT & OPPORTUNITY NASA In search of clues for water on Mars 2003 DALSA IR & IR CCD
8		MISSION SPACE AGENCY DESCRIPTION LAUNCH YEAR COMPANY PRODUCTS ROSETTA ORBITER ESA Deep space comet rendezvous 2004 e2v, Reynolds CCD42-80, TH7896M

9		MISSION SPACE AGENCY DESCRIPTION LAUNCH YEAR COMPANY PRODUCTS PHILAE ESA Landed on comet 67P/Churyumov-Gerasimenko 2004 e2v, TIS TH788B, NICMOS, Cables/Connectors
10		MISSION SPACE AGENCY DESCRIPTION LAUNCH YEAR COMPANY PRODUCTS DEEP IMPACT & EPOXI NASA Visited comets Tempel 1 and Hartley 2 2005 TIS H18
11		MISSION SPACE AGENCY DESCRIPTION LAUNCH YEAR COMPANY PRODUCTS MARS RECONNAISSANCE ORBITER (MRO) NASA Studied Mars surface and atmosphere from orbit 2005 e2v, TIS, Judson CCD85, 6604A, thermoelectrically cooled package, †
12		MISSION SPACE AGENCY DESCRIPTION LAUNCH YEAR COMPANY PRODUCTS VENUS EXPRESS ESA Studying the Venusian atmosphere 2005 e2v CCD47-20
13		MISSION SPACE AGENCY DESCRIPTION LAUNCH YEAR COMPANY PRODUCTS CONVECTION, ROTATION & PLANETARY TRANSITS (CoRoT) ESA Search for habitable, Earth-like planets around other stars 2006 e2v CCD42-80
14		MISSION SPACE AGENCY DESCRIPTION LAUNCH YEAR COMPANY PRODUCTS HINODE (SOLAR-B) JAXA / NASA Studying the impact of the Sun on the Earth 2006 e2v CCD42-20, CCD42-40
15		MISSION SPACE AGENCY DESCRIPTION LAUNCH YEAR COMPANY PRODUCTS NEW HORIZONS NASA Mission to Pluto and the Kuiper Belt 2006 e2v, TIS, Reynolds CCD47-20, CCD46, HIR, Cables/Connectors
16		MISSION SPACE AGENCY DESCRIPTION LAUNCH YEAR COMPANY PRODUCTS STEREO A+B NASA Revolutionary view of the Sun-Earth System 2006 e2v CCD42-40

17		MISSION SPACE AGENCY DESCRIPTION LAUNCH YEAR COMPANY PRODUCTS NAGUYA SELENE JAXA Lunar origin, evolution and future exploration 2007 CCD47-20
18		MISSION SPACE AGENCY DESCRIPTION LAUNCH YEAR COMPANY PRODUCTS PHOENIX MARS LANDER NASA Mars Scout Program 2007 Optech Lander within the Meteorological Station (MET)
19		MISSION SPACE AGENCY DESCRIPTION LAUNCH YEAR COMPANY PRODUCTS CHANDRAYAAN-1 NASA Lunar Orbit, Lunar Impact 2008 TIS 6604A
20		MISSION SPACE AGENCY DESCRIPTION LAUNCH YEAR COMPANY PRODUCTS KEPLER ESA Explore the structure and diversity of planetary systems 2009 e2v CCD90
21		MISSION SPACE AGENCY DESCRIPTION LAUNCH YEAR COMPANY PRODUCTS WISE / NEOWISE NASA Wide-field Infrared Survey Explorer 2009 TIS HIRC
22		MISSION SPACE AGENCY DESCRIPTION LAUNCH YEAR COMPANY PRODUCTS AKATSUKI (PLANET-C) JAXA Venus climate orbiter 2010 TIS, DALSA, Optech, TES HIRC, CCD42-40
23		MISSION SPACE AGENCY DESCRIPTION LAUNCH YEAR COMPANY PRODUCTS PCARD CNES Solar research – absolute total and spectral solar irradiance 2010 e2v CCD42-80
24		MISSION SPACE AGENCY DESCRIPTION LAUNCH YEAR COMPANY PRODUCTS SOLAR DYNAMICS OBSERVATORY (SDO) NASA Understand the causes of solar variability and its impacts on Earth 2010 e2v CCD303-82

25		MISSION SPACE AGENCY DESCRIPTION LAUNCH YEAR COMPANY PRODUCTS MARS CURIOSITY ROVER NASA Part of NASA's Mars Science Laboratory mission 2011 e2v, DALSA, Reynolds, Energy Systems, Microelectronics, Relays, Impulse CCD224-20, 1, MMRTG, 1, 1, 1, Cables/Connectors
26		MISSION SPACE AGENCY DESCRIPTION LAUNCH YEAR COMPANY PRODUCTS GAIA ESA Mapping 1 billion stars 2013 e2v CCD91-72
27		MISSION SPACE AGENCY DESCRIPTION LAUNCH YEAR COMPANY PRODUCTS INTERFACE REGION IMAGING SPECTROGRAPH (IRIS) NASA Explore Mission to observe how solar material moves, gathers energy, and heats up 2013 e2v CCD267
28		MISSION SPACE AGENCY DESCRIPTION LAUNCH YEAR COMPANY PRODUCTS HAYABUSA-2 JAXA Asteroid exploration mission 2014 e2v, Reynolds CCD47-20, CCD47-20, Cables/Connectors
29		MISSION SPACE AGENCY DESCRIPTION LAUNCH YEAR COMPANY PRODUCTS EXO-MARS ORBITER ESA / ROSCOSMOS Investigate trace gases in the Martian atmosphere 2016 e2v, Reynolds HIRC, SIDECAR ASIC, †
30		MISSION SPACE AGENCY DESCRIPTION LAUNCH YEAR COMPANY PRODUCTS OSIRIS-REx NASA Asteroid sample return mission 2016 e2v, TIS, TES DALSA, Optech, TES HIRC, CCDs, DLA, 1
31		MISSION SPACE AGENCY DESCRIPTION LAUNCH YEAR COMPANY PRODUCTS HAT (INSIGHT) NASA Scan the Galactic Plane to find new transient sources 2017 e2v CCD236
32		MISSION SPACE AGENCY DESCRIPTION LAUNCH YEAR COMPANY PRODUCTS BEPI COLOMBO ESA / JAXA Exploring Mercury 2018 Reynolds Cables/Connectors

33		MISSION SPACE AGENCY DESCRIPTION LAUNCH YEAR COMPANY PRODUCTS CHEOPS ESA Studying planets around other stars 2019 e2v CCD47-20
34		MISSION SPACE AGENCY DESCRIPTION LAUNCH YEAR COMPANY PRODUCTS MARS InSight ESA Interior Exploration using Seismic Investigations, Geodesy and Heat Transport 2018 DALSA 1, 1
35		MISSION SPACE AGENCY DESCRIPTION LAUNCH YEAR COMPANY PRODUCTS ROSALIND FRANKLIN ESA/ROSCOSMOS Exploring the Mars surface 2018 e2v, Reynolds CCD230-22, Sapphire, 1, Cables/Connectors
36		MISSION SPACE AGENCY DESCRIPTION LAUNCH YEAR COMPANY PRODUCTS SOLAR ORBITER ESA The sun up close 2020 e2v, Reynolds CCD47-20, HIRG, SIDECAR ASIC, †
37		MISSION SPACE AGENCY DESCRIPTION LAUNCH YEAR COMPANY PRODUCTS NEO-Cam NASA Survey of near Earth asteroids 2020 e2v, TIS, TES HIRG, SIDECAR ASIC
38		MISSION SPACE AGENCY DESCRIPTION LAUNCH YEAR COMPANY PRODUCTS EUCLID ESA Mapping the Dark Universe 2021 e2v, TIS, TES HIRG, SIDECAR ASIC, †
39		MISSION SPACE AGENCY DESCRIPTION LAUNCH YEAR COMPANY PRODUCTS JAMES WEBB SPACE TELESCOPE (JWST) NASA/ESA/CSA Examine every phase of cosmic history 2021 e2v, TIS, TES HIRG, SIDECAR ASIC, 1
40		MISSION SPACE AGENCY DESCRIPTION LAUNCH YEAR COMPANY PRODUCTS LUCY NASA The first mission to Jupiter's Trojans 2021 TIS, TES, e2v HIRG, 1, CCD47-20

41		MISSION SPACE AGENCY DESCRIPTION LAUNCH YEAR COMPANY PRODUCTS EUROPA CLIPPER NASA Reconnaissance of Jupiter's moon Europa 2022 Ibc Reynolds, TIS, TES CHROMA-A, Cables/Connectors, †
42		MISSION SPACE AGENCY DESCRIPTION LAUNCH YEAR COMPANY PRODUCTS JUICE ESA Studying Jupiter's icy moons 2022 e2v, Reynolds, TIS, TES CC315, HIRG, SIDECAR ASIC, 1, Cables/Connectors
43		MISSION SPACE AGENCY DESCRIPTION LAUNCH YEAR COMPANY PRODUCTS PUNCH NASA Focus on the Sun's corona, and how it generates the solar wind 2022 e2v CCD230-82
44		MISSION SPACE AGENCY DESCRIPTION LAUNCH YEAR COMPANY PRODUCTS SPHEREx NASA Low resolution spectroscopy of 300 million galaxies 2023 TIS HIRG, SIDECAR ASIC
45		MISSION SPACE AGENCY DESCRIPTION LAUNCH YEAR COMPANY PRODUCTS WORLD SPACE OBSERVATORY – ULTRAVIOLET (WFO-U) ROSCOSMOS FUV, NUV spectroscopy & imaging 2023 e2v CCD372-64, Electronics Unit
46		MISSION SPACE AGENCY DESCRIPTION LAUNCH YEAR COMPANY PRODUCTS PLATO ESA Hunting planets beyond our Solar System 2026 CCD IRG
47		MISSION SPACE AGENCY DESCRIPTION LAUNCH YEAR COMPANY PRODUCTS WIDE FIELD INFRARED SURVEY TELESCOPE (WFIRST) NASA Measure 1 billion galaxies to study dark matter and dark energy 2026 Ibc e2v, TIS, TES CCD301, HIRG-10, 1
48		MISSION SPACE AGENCY DESCRIPTION LAUNCH YEAR COMPANY PRODUCTS ARIEL ESA Observe atmospheres of 1000 exoplanets 2028 TIS, TES HIRG, SIDECAR ASIC, 1

48		MISSION SPACE AGENCY DESCRIPTION LAUNCH YEAR COMPANY PRODUCTS WIDE FIELD INFRARED SURVEY TELESCOPE (WFIRST) NASA Measure 1 billion galaxies to study dark matter and dark energy 2026 Ibc TIS, TES HIRG-10, 1, CCD301
49		MISSION SPACE AGENCY DESCRIPTION LAUNCH YEAR COMPANY PRODUCTS ARIEL ESA Observe atmospheres of 1000 exoplanets 2028 TIS, TES HIRG, SIDECAR ASIC, 1

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