

List of ADVACAM Timepix Based Flight Hardware

SPACE HERITAGE

Payload	Launch	Mission	Orbit	Objective	Vehicle	TPX Units
REM	2012	ISS - NASA	LEO	Space Crew	ISS	5
Proba-V	2013	Proba-V - ESA	LEO	Demo/Ops	Proba-V	1
BIRD	2014	Orion EFT-1	LEO/MEO	Demo/Science	Orion	2
VZLUSAT-1	2017	VZLUSAT-1	LEO	Demo/Science	2U CubeSat	1
REM2	2018	ISS - NASA	LEO	Space Crew	ISS	7
MPT	2017	ISS - NASA	LEO	Science	ISS	2
Biosentinel	2020	ISS - NASA	LEO	Demo/Science	ISS	1
ISS-HERA	2018	ISS - NASA	LEO	Demo	ISS	3
AHOSS	2020	ISS - NASA	LEO	Demo/Ops	ISS	3
HERA	2022	Artemis 1 - NASA	Lunar Orbit	Space Crew	Orion	3
Biosentinel	2022	Artemis 1 - NASA	Solar Orbit	Science	6U Cubesat	1
X-ray Telescope	2023	VZLUSAT-2	LEO	Demo/Science	3U CubeSat	1
JoeySat - MPX	2023	OneWeb - ESA	LEO	Commercial	Telecom Sat	1
LETS(1)	2023	Astrobotic 1	Lunar Surface	Science	Peregrine	1
LETS(2)	2025	Berensheet 2	Lunar Surface	Science	Berensheet 2	1
HERA	2023	Polaris Dawn - NASA	MEO	Science	Crew Dragon	1
HERA	2025	Artemis 2 - NASA	Lunar Orbit	Space Crew	Orion	6
HERA	2025	Artemis 3 - NASA	Lunar Orbit	Space Crew	Orion	6
ARES	2025	Artemis 3 - NASA	Lunar Surface	Space Crew	Starship	>=1
ARES	2026	Artemis - NASA	Lunar Orbit	Space Crew	Lunar Gateway	2
Thor	2026	Space Rider - ESA	LEO	Science	Space Rider	TBD
IDA - MPX	2027	Lunar Gateway - ESA	Lunar Orbit	Science	Lunar Gateway	TBD

 Complete ADVACAM camera

 ADVACAM Timepix chip module

 IEAP CTU electronics

10 missions flown, 7 missions planned, > 25 Timepix in Space to date

Highly successful technology transfer from CERN, powering space missions for the last 12 years, and the near future

