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CRS-22

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00:00:00,000 --> 00:00:04,560

Megan Cruz: You're looking at live view of
the SpaceX Falcon 9 rocket and cargo Dragon

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00:00:04,560 --> 00:00:09,600

at Launch Complex 39A, set to lift off this
afternoon to the International Space Station.

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00:00:10,400 --> 00:00:14,880

Good afternoon, and welcome to NASA's Kennedy
Space Center in Florida. I'm Megan Cruz with

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00:00:14,880 --> 00:00:20,800

NASA Communications. Today's cargo mission, known
as Commercial Resupply Services Mission 22 is

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00:00:20,800 --> 00:00:26,800

scheduled to launch at 1:29 p.m. eastern time. It
will be the second resupply mission to the space

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00:00:26,800 --> 00:00:32,480

station on the upgraded cargo Dragon spacecraft.
We will show you some of the incredible technology

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00:00:32,480 --> 00:00:37,920

headed to space today, including brand
new solar arrays to give the station

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00:00:37,920 --> 00:00:44,720

a power boost. But first, we are really excited to
be simulcasting today's live coverage on NASA TV

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00:00:44,720 --> 00:00:49,680

and the SpaceX webcast, with our partners based
at the company's headquarters in Hawthorne,

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00:00:49,680 --> 00:00:54,560

California. Let's bring in Siva Bharadvaj now.
Siva, it's so nice to have you with us today.

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00:00:54,560 --> 00:00:59,280
Siva Bharadvaj: Thanks, Megan. It's really
exciting to be covering today's mission in

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00:00:59,280 --> 00:01:04,000
partnership with NASA. It's the fifth Dragon
flight to the International Space Station since

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00:01:04,000 --> 00:01:09,680
May 2020, with many more planned for the upcoming
year. As you mention, this will be the second

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00:01:09,680 --> 00:01:16,000
cargo resupply mission for our upgraded Dragon.
This cargo vehicle will be joining the Crew-2

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00:01:16,000 --> 00:01:21,680
vehicle on orbit, making it just the third time
we've had two Dragons dock at the space station.

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00:01:21,680 --> 00:01:27,360
Now, you're looking at live view of a brand-new
Falcon 9 booster. This is actually the first new

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00:01:27,360 --> 00:01:33,280
booster we're using this year, and the vehicle
stands 229-feet tall, or slightly taller than a

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00:01:33,280 --> 00:01:39,600
21-story building. Now, Falcon 9 is a reusable
2-stage rocket, designed and manufactured by

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00:01:39,600 --> 00:01:45,520
SpaceX for the reliable and safe transport of both
people and payloads into Earth orbit and beyond.

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00:01:45,520 --> 00:01:50,960
At the very top of the rocket is the Dragon
spacecraft – just like today's Falcon 9, we are

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00:01:50,960 --> 00:01:56,320

flying a brand-new Dragon spacecraft, which we'll
hope to fly again in the future. Now, today is a

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00:01:56,320 --> 00:02:02,240

cargo mission and we are delivering nearly 7,000
pounds of cargo to the International Space Station

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00:02:02,240 --> 00:02:07,360

that includes critical materials to support dozens
of science and research investigations that will

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00:02:07,360 --> 00:02:12,480

happen on board the orbiting laboratory. To this
day, Dragon remains the only spacecraft currently