



1
00:00:04,710 --> 00:00:02,710
we are just under 22 minutes from

2
00:00:07,430 --> 00:00:04,720
liftoff of this falcon 9 rocket for

3
00:00:09,350 --> 00:00:07,440
nasa's and spacex's 24th commercial

4
00:00:11,509 --> 00:00:09,360
resupply services mission to the

5
00:00:14,629 --> 00:00:11,519
international space station the dragon

6
00:00:17,269 --> 00:00:14,639
spacecraft will fly about 6 500 pounds

7
00:00:19,510 --> 00:00:17,279
of science supplies and holiday treats

8
00:00:21,349 --> 00:00:19,520
for the astronauts on board

9
00:00:23,349 --> 00:00:21,359
happy holidays everyone and thank you

10
00:00:26,470 --> 00:00:23,359
for joining us for this live live launch

11
00:00:29,349 --> 00:00:26,480
coverage of crs 24 i'm megan cruz

12
00:00:31,910 --> 00:00:29,359
today's liftoff is scheduled for 507 a.m

13
00:00:34,549 --> 00:00:31,920

eastern time from launch complex 39a

14

00:00:36,549 --> 00:00:34,559

here at kennedy space center in florida

15

00:00:39,750 --> 00:00:36,559

and we are again simulcasting this live

16

00:00:41,270 --> 00:00:39,760

show on nasa tv and on spacex's webcast

17

00:00:43,350 --> 00:00:41,280

so let's bring in andy tran now live

18

00:00:46,470 --> 00:00:43,360

from spacex's headquarters in hawthorne

19

00:00:48,229 --> 00:00:46,480

california good to see you andy

20

00:00:49,910 --> 00:00:48,239

yeah good to see you too megan it is

21

00:00:52,389 --> 00:00:49,920

great to be back covering today's

22

00:00:54,549 --> 00:00:52,399

mission in partnership with nasa and as

23

00:00:58,310 --> 00:00:54,559

the year comes to an end crs 24 will be

24

00:01:00,790 --> 00:00:58,320

spacex's 31st and final mission of 2021

25

00:01:02,389 --> 00:01:00,800

making it a record-breaking year for

26
00:01:04,229 --> 00:01:02,399
launches for us what a way to end the

27
00:01:05,990 --> 00:01:04,239
year andy and and i see that you have a

28
00:01:07,910 --> 00:01:06,000
live view of the pad right now can you

29
00:01:10,870 --> 00:01:07,920
walk us through the different parts of

30
00:01:12,950 --> 00:01:10,880
falcon 9 and dragon

31
00:01:14,950 --> 00:01:12,960
yeah absolutely so

32
00:01:16,870 --> 00:01:14,960
our two-stage launch vehicle stands

33
00:01:19,190 --> 00:01:16,880
about 70 meters tall and when fully

34
00:01:21,109 --> 00:01:19,200
fueled holds just over one million

35
00:01:22,469 --> 00:01:21,119
pounds of propellant that the vehicle

36
00:01:25,030 --> 00:01:22,479
will burn through in less than three

37
00:01:27,270 --> 00:01:25,040
minutes after liftoff the bottom two

38
00:01:29,109 --> 00:01:27,280

thirds of the vehicle is the first stage

39

00:01:30,469 --> 00:01:29,119

its objective is to accelerate the

40

00:01:32,550 --> 00:01:30,479

vehicle through the earth's atmosphere

41

00:01:34,630 --> 00:01:32,560

to space and then separate from the rest

42

00:01:35,990 --> 00:01:34,640

of the rocket and while today's flight

43

00:01:37,990 --> 00:01:36,000

is going to be the first for this

44

00:01:40,069 --> 00:01:38,000

booster falcon 9 is designed to be

45

00:01:42,630 --> 00:01:40,079

reusable for the reliable and safe

46

00:01:43,830 --> 00:01:42,640

transport of people payloads and people

47

00:01:45,910 --> 00:01:43,840

and payloads

48

00:01:47,350 --> 00:01:45,920

into earth orbit and beyond

49

00:01:49,109 --> 00:01:47,360

so that's a quick rundown of our launch