

LSST Camera arrives at Rubin Observatory

Social Media Kit



The basics: what you need to know



Jacqueline Orrell/SLAC National Accelerator Laboratory



WHAT

After two decades of work at SLAC National Accelerator Laboratory, **LSST Camera has arrived at Rubin Observatory.**

It is the final major component to arrive at the observatory site.

[Read the press release](#)



WHEN

LSST Camera arrived at Rubin Observatory on Cerro Pachón on **May 16, 2024.**



HOW

LSST Camera and all ancillary equipment were flown via chartered flight from San Francisco International Airport in California, USA to Arturo Merino Benítez Airport in Santiago, Chile on May 14-15.

The camera and ancillary equipment were driven in a caravan of trucks from Santiago to La Serena on May 15, and from La Serena to Cerro Pachón on May 16-18.



About **LSST** Camera

Greg Miller/SLAC National Accelerator Laboratory

► **The world's largest digital camera**

The LSST Camera, built for the Legacy Survey of Space and Time (LSST), is the largest camera ever built for astronomy and astrophysics. It was built at SLAC National Accelerator Laboratory, and was completed in April 2024 after two decades of work. Once installed, it will take detailed images of the Southern hemisphere sky for 10 years.

12.25 ft / 3.73 m

IN LENGTH

6200 lb / 2800 kg

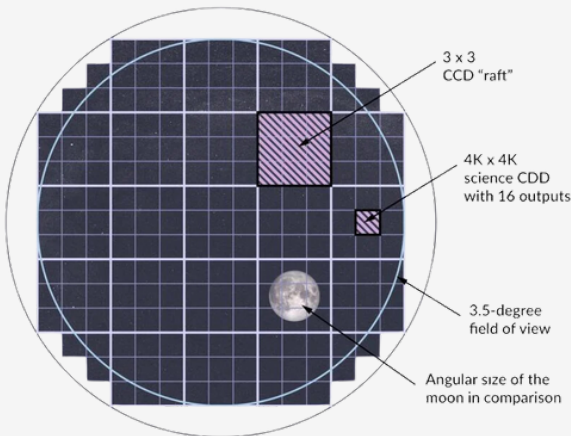
IN WEIGHT

5.5 ft / 1.65 m

IN HEIGHT



... ABOUT THE SIZE OF A SMALL SUV



► **A huge detector**

LSST Camera's detector is sensitive to light ranging from the near-infrared to near-ultraviolet (320-1050 nm).

3200
MEGAPIXELS

6
FILTERS

189
CCD DETECTORS

3.5-degree
FIELD OF VIEW
(7× width of the full moon)

[Watch SLAC's explainer video](#)

[Get photos and videos from SLAC](#)



About Rubin Observatory

Rubin Observatory/NSF/AURA/H. Stockebrand

► An observatory for everyone

Vera C. Rubin Observatory is a new astronomy and astrophysics observatory under construction on Cerro Pachón in Chile, with first light expected in early 2025. The 8.4-meter telescope at Rubin Observatory, equipped with the largest digital camera in the world, will take enormous, detailed images of the southern hemisphere sky, covering the entire sky every few nights. Rubin will do this repeatedly over 10 years to produce the **Legacy Survey of Space and Time (LSST)** and create a timelapse view of the Universe.

27 ft / 8.4 m

2-IN-1 PRIMARY/
TERTIARY MIRROR

11 ft / 3.4 m

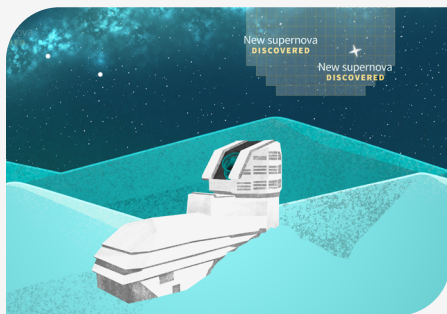
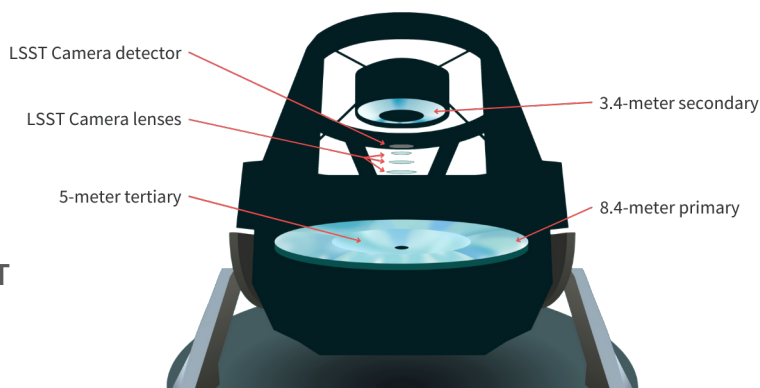
SECONDARY MIRROR

5 second

SLEW AND SETTLE TIME

62 t / 52,650 kg

FULL TELESCOPE WEIGHT



3-4 nights

TIME TO COVER THE SKY ONCE

20 terabytes

OF DATA PER NIGHT

>800 snapshots

OF THE ENTIRE SOUTHERN
SKY

37 billion

STARS, GALAXIES, &
ASTEROIDS

Rubin Observatory is named after astronomer Vera Rubin, who provided the first convincing evidence for the existence of dark matter.

Rubin Observatory is jointly funded by the U.S. National Science Foundation and the U.S. Department of Energy, Office of Science.



Suggested social media text

“

It's official! The #LSSTCamera has safely arrived at Rubin Observatory! 🎉

Can't wait to see what this powerful tool unveils about the Universe as it enables @VRubinObs to **#CaptureTheCosmos!**

“

Thrilled to share that the #LSSTCamera has made it to Rubin Observatory in Chile!

This incredible camera will revolutionize our understanding of the Universe 🌌
#CaptureTheCosmos

“

This is so exciting! #LSSTCamera, the final major component of @VRubinObs, has arrived at the observatory! 🎉

Scientists are officially one step closer to being able to **#CaptureTheCosmos** with Rubin 🤖

“

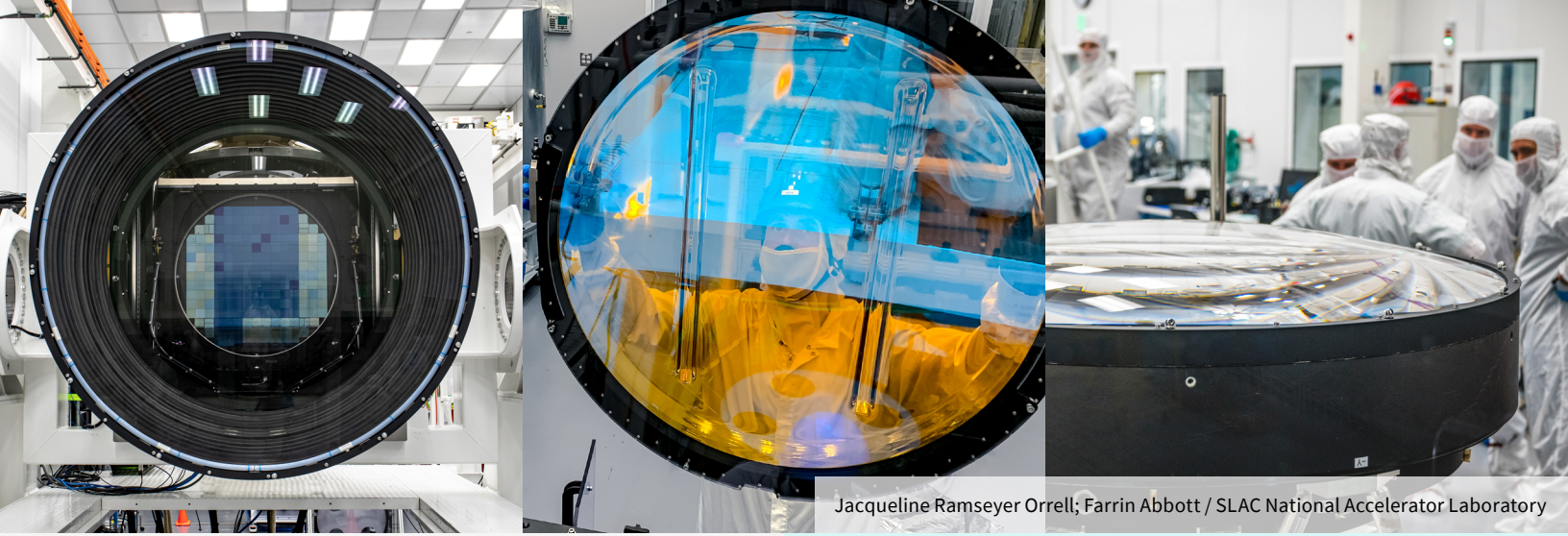
This is huge news! After two decades of work and a trip across the world, #LSSTCamera has finally made it to @VRubinObs 🤖

I can't wait to see what astronomical mysteries this observatory reveals once it starts to **#CaptureTheCosmos** next year!

Grab photos and videos for your posts



Travis Lange/SLAC National Accelerator Laboratory



Jacqueline Ramseyer Orrell; Farrin Abbott / SLAC National Accelerator Laboratory

More resources

From **Rubin Observatory**

- [Rubin Observatory gallery](#)
- [Additional multimedia](#)
- [Rubin Observatory news](#)
- [Rubin Observatory website](#)

From **SLAC National Accelerator Lab**

- [LSST Camera construction photos](#)
- [LSST Camera explainer video](#)
- [Read about completion of the camera](#)
- [LSST Camera webpage](#)

Social media accounts

(Click icons to go directly to the profile)



@VRubinObs



@rubin_observatory



@RubinObservatory



Hashtags

#RubinObservatory #LSSTCamera #CaptureTheCosmos