

Resource Summary Report

Generated by T1D on Aug 1, 2026

Hamamatsu: ORCA Flash4.0 LT plus digital sCMOS camera

RRID:SCR_021971

Type: Tool

Proper Citation

Hamamatsu: ORCA Flash4.0 LT plus digital sCMOS camera (RRID:SCR_021971)

Resource Information

URL: <https://www.hamamatsu.com/eu/en/product/cameras/cmos-cameras/C11440-42U30.html>

Proper Citation: Hamamatsu: ORCA Flash4.0 LT plus digital sCMOS camera (RRID:SCR_021971)

Description: Redesigned ORCA-Flash4.0 LT+ featuring 82 % peak quantum efficiency brings all advantages of sCMOS technology wide field of view, low light sensitivity, and large dynamic range increased flexibility and sensitivity of a scientific CMOS camera., THIS RESOURCE IS NO LONGER IN SERVICE. Documented on September 16,2025.

Synonyms: ORCA-Flash4.0 LT + CMOS camera, ORCA-Flash4.0 LT +, ORCA-Flash4.0 LT+ Digital CMOS camera, ORCA-Flash4.0 LT plus Digital CMOS camera

Resource Type: instrument resource

Keywords: Digital CMOS camera, CMOS camera, digital camera, instrument, equipment, USEDit

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: Hamamatsu: ORCA Flash4.0 LT plus digital sCMOS camera

Resource ID: SCR_021971

Alternate IDs: Model_Number_ORCA_Flash4.0_LT

Record Creation Time: 20220421T050138+0000

Record Last Update: 20260725T190954+0000

Ratings and Alerts

No rating or validation information has been found for Hamamatsu: ORCA Flash4.0 LT plus digital sCMOS camera.

No alerts have been found for Hamamatsu: ORCA Flash4.0 LT plus digital sCMOS camera.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 8 mentions in open access literature.

Listed below are recent publications. The full list is available at [T1D](#).

Bearss RJ, et al. (2025) Activation of ionotropic and group I metabotropic glutamate receptors stimulates kisspeptin neuron activity in mice. *Journal of neuroendocrinology*, 37(1), e13456.

Guzenko VV, et al. (2025) Effects of E2F1 Point Acetylation at Lysine 117 or 125 on Neuronal Apoptosis After Ischemic Injury. *Neurochemical research*, 50(4), 202.

Jørgensen SK, et al. (2024) An analogue of the Prolactin Releasing Peptide reduces obesity and promotes adult neurogenesis. *EMBO reports*, 25(1), 351.

Guzenko VV, et al. (2024) Acetylation of c-Myc at Lysine 148 Protects Neurons After Ischemia. *Neuromolecular medicine*, 26(1), 8.

Sokolov R, et al. (2024) Hyaluronidase-induced matrix remodeling contributes to long-term synaptic changes. *Frontiers in neural circuits*, 18, 1441280.

Kalyuzhnaya YN, et al. (2024) An Alternative Photothrombotic Model of Transient Ischemic Attack. *Translational stroke research*.

Chen HC, et al. (2023) Differentiation, Transcriptomic Profiling, and Calcium Imaging of Human Hypothalamic Neurons. *Current protocols*, 3(6), e786.

Guzenko VV, et al. (2023) Acetylation of p53 in the Cerebral Cortex after Photothrombotic Stroke. *Translational stroke research*.