

Experience High Speed



— ABOUT OUR COMPANY

Kron Technologies Inc. is a Canadian high-speed imaging system design and manufacturing company, located in the heart of the Greater Vancouver Area (British Columbia). Kron was founded by owner and visionary Engineer David Kronstein who wanted to make high-speed imaging accessible to everyone.

FOLLOW US



Kron Technologies



@ChronosCameras

CONTACT US

APPLICATIONS

RESEARCH

- Particle image velocimetry
- Schlieren imaging
- Animal behavior
- Fluid dynamics & combustion

CINEMATOGRAPHY

- Movies, Series, TV Shows
- Commercials
- Special effects and replays
- Social media

SPORTS

- Surfing
- Skateboarding
- Snowboarding/skiing
- Athlete motion Analysis

INDUSTRIAL

- Vibration analysis
- Machine failure troubleshooting
- Spray analysis
- Ballistics

krontech.ca

PHONE

+1 778.819.1182

EMAIL FOR INQUIRIES/SALES

info@krontech.ca

ADDRESS

113 - 8337 Eastlake Drive
Burnaby, BC, V5A 4W2, Canada

OFFICE HOURS

Monday to Friday
9 AM to 5 PM (PST)



CHRONOS

HIGH-SPEED CAMERAS

Why High Speed?

High speed videography has many different applications.

Camera professionals, scientists, and enthusiastic amateurs such as the Backyard Scientist and Hydraulic Press Channel use it to entertain viewers by taking them on a journey to the fascinating world that is slow motion. Large industries and corporations use the Chronos cameras for tasks such as debugging an assembly line at speed, or getting a better sense of what shape the exhaust plume is making at the bottom of a rocket. There has always been a desire to see it again, "but slowly this time."

CHRONOS CAMERAS QUICK FACTS

Chronos 1.4

- Up to 1,280 x 1,024 px at 1,069 fps
- Up to 40,413 fps at min resolution
- 1.4 gigapixel/second throughput
- Compatible with C mount lenses
- Available right now for shipment

Features:

- Sub-microsecond trigger timing
- Portable and easy to use
- Free camera software upgrades

Chronos 2.1-HD

- Full HD resolution at 1,000 fps
- Up to 24,046 fps at min resolution
- 2.1 gigapixel/second throughput
- Compatible with C, EF, F mount lenses
- Available right now for shipment

- No proprietary post-processing software
- Compressed and uncompressed saving formats

The pixel throughput remains nearly constant with changing resolution, allowing you to trade resolution for speed. Frame rate is resolution too – temporal resolution, and Chronos lets you choose the best of spatial or temporal resolution for your shot. Available in color and monochrome, and in 8GB, 16GB, and 32GB models.



Chronos 1.4 Camera

SPECIFICATIONS

Chronos 1.4 is a purpose-designed, professional high-speed camera in the palm of your hand. With a 1.4 gigapixel-per-second throughput, you can capture stunning high-speed video at up to 1280x1024 resolution. Frame rate ranges from 1,069 fps at full resolution, up to 40,413 fps at minimum resolution.

MEMORY:
8GB / 16GB / 32GB

RECORD TIME:
4 sec / 8 sec / 16 sec

SENSOR (2/3 INCH):
Color / Monochrome

BATTERY LIFE:
1 ½ hours

LENS MOUNT:
CS mount (C compatible.)

BACKFOCUS:
Field adjustable

IR FILTER:
650nm, user removable

DISPLAY:
5" capacitive touchscreen, 1,000 nit

ENCLOSURE:
Machined aluminum

COOLING:
Variable speed fan

DIMENSIONS:
155 x 96 x 67.3 mm or 6.11" x 3.78" x 2.65"

WEIGHT:
~ 1 kilogram, < 2.5 pounds

RESOLUTION	MAX FPS	RECORD TIME (SECONDS)		
		8 GB	16 GB	32 GB
1280 x 1024	1 069	4.08	8.16	16.33
1280 x 720	1 519	4.08	8.17	16.34
1024 x 768	1 770	4.11	8.22	16.44
1024 X 576	2 357	4.11	8.23	16.46
800 X 600	2 871	4.15	8.30	16.60
800 X 480	3 585	4.14	8.29	16.58
640 X 480	4 434	4.20	8.40	16.80
640 X 240	8 810	4.21	8.42	16.84
336 X 240	15 968	4.37	8.75	17.50
336 X 120	31 294	4.46	8.93	17.86
320 X 96	40 413	4.42	9.02	17.70

Chronos 2.1-HD Camera

1080p at 1 000 fps

SPECIFICATIONS

Chronos 2.1-HD takes the Chronos line to a new level of quality with 1080p resolution and up to 11 seconds of record time! Now the price effective solution of the Chronos is available in full HD! With all of the software features of the Chronos 1.4 and all of the picture quality of 1080p. Please visit the Kron Technologies website at krontech.ca for more information.

MEMORY:
8GB / 16GB / 32GB

RECORD TIME (ESTIMATED):
2.7 sec / 5.5 sec / 11.0 sec

SENSOR (4/3 INCH):
Color / Monochrome

BATTERY LIFE:
60 min

LENS MOUNT:
CS mount (C, EF, F compatible)

BACKFOCUS:
Field adjustable

IR FILTER:
650nm, user removable

DISPLAY:
5" capacitive touchscreen, 1,000 nit

ENCLOSURE:
Machined aluminum

COOLING:
Variable speed fan

DIMENSIONS:
115 x 96 x 67.3 mm or 6.11" x 3.78" x 2.65"

WEIGHT:
~ 1 kilogram, < 2.5 pounds

RESOLUTION	MAX FPS	RECORD TIME (SECONDS)		
		8 GB	16 GB	32 GB
1920 x 1080	1 000	2.76	5.51	11.02
1920 x 512	2 095	2.78	5.55	11.11
1440 x 1080	1 434	2.56	5.12	10.25
1440 X 720	2 142	2.57	5.14	10.29
1280 X 1024	1 512	2.88	5.77	11.55
1280 X 720	2 142	2.90	5.79	11.59
1024 X 768	2 531	2.88	5.75	11.50
1024 X 576	3 358	2.89	5.77	11.55
800 X 600	4 352	2.73	5.47	10.94
640 X 240	10 488	3.54	7.07	14.14
640 X 96	24 046	3.87	7.74	15.49