



# CHRONOSync

**neurescence**  
BIOLOGICAL OPTICAL IMAGING



Contact us to discuss how CHRONOSync can help advance your research.

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# Experimental Set-up Synchronization and Time Tagging Device

8 Input Channels

7 pulse train input channels

1 input channel tracks up to 2500 Hz for higher frequency inputs (e.g., electrophysiology)



3 Output Channels

20 Hz TTL  
60 Hz TTL  
Singular pulse

Simultaneous triggering of up to 3 imaging and recording systems

Synchronizes and time-tracks multiple events in a behavior experiment.

Timestamps input & output signals from all 11 channels in convenient CSV format

Compatible with

- Quartet® and Chromatone™
- Any behavior tracking system or electrophysiology system
- Any behavior camera

	A	B	C	D	E	F	G	H	I	J	K
1	Input 1	Input 2	Input 3	Input 4 (High Frequency)	Input 5	Input 6	Input 7	Input 8	Frame (60Hz)	Frame (20Hz)	Pulse
2	FALL	FALL	FALL	FALL	-	-	-	-	0	0	0
3	-	-	-	RISE	-	-	-	-	1	1	1
4	-	-	-	FALL	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	79	A	B	C
6	-	-	-	FALL	-	-	-	80	-	-	FALL
7	-	-	-	RISE	-	-	-	81	-	-	RISE
8	-	-	-	FALL	-	-	-	82	-	-	FALL
9	-	-	-	RISE	-	-	-	83	-	-	RISE
10	-	-	-	FALL	-	-	-	84	-	-	FALL
11	-	-	-	RISE	-	-	-	85	-	-	RISE
12	-	-	-	FALL	-	-	-	86	-	-	FALL
13	-	-	-	FALL	-	-	-	87	-	-	RISE
14	-	-	-	RISE	-	-	-	88	RISE	-	FALL
15	-	-	-	FALL	-	-	-	89	-	-	RISE
16	-	-	-	RISE	-	-	-	90	-	-	FALL
17	-	-	-	FALL	-	-	-	91	-	-	RISE
18	-	-	-	RISE	-	-	-	92	-	-	FALL
19	-	-	-	FALL	-	-	-	93	-	-	RISE
20	-	-	-	RISE	-	-	-	94	-	-	FALL
21	-	-	-	FALL	-	-	-	95	-	-	RISE
22	-	-	-	RISE	-	-	-	96	-	-	FALL
23	-	-	-	FALL	-	-	-	97	-	-	RISE
24	-	-	-	RISE	-	-	-	98	-	-	FALL
25	-	-	-	FALL	-	-	-	99	-	-	RISE
26	-	-	-	RISE	-	-	-	100	-	-	FALL
27	-	-	-	FALL	-	-	-	101	-	-	RISE
28	-	-	-	RISE	-	-	-	102	-	-	FALL
29	-	-	-	FALL	-	-	-	103	-	-	RISE
30	-	-	-	RISE	-	-	-	104	RISE	-	FALL
31	-	-	-	FALL	-	-	-	105	-	-	RISE
32	-	-	-	RISE	-	-	-	106	-	-	FALL
33	-	-	-	FALL	-	-	-	107	-	-	RISE
								108			FALL
								109			RISE
								110			FALL
								111			RISE
								112			FALL
								113			RISE
								114			FALL
								115			RISE
								116			FALL
								117			RISE
								118			FALL