



## LJ-X8000A

Raw data output controller



\*Please note that accessories depicted in the image are for illustrative purposes only and may not be included with the product.

## Specifications

Model	LJ-X8000A	
Head input	Up to 1 head Compatible with LJ-X8000 series heads and LJ-V7000 series heads	
Sampling cycle (trigger interval)	When connecting the LJ-X8000 Series: maximum speed of 16 kHz (63 $\mu$ s) *1 When connecting the LJ-V7000 Series: maximum speed of 64 kHz (16 $\mu$ s) *2 (Luminance output types for model designations ending with B have a maximum speed of 8 kHz (125 $\mu$ s)) *3	
Interface	Control input	Supports the batch measurement start (MEASURE_START) and batch measurement stop (MEASURE_STOP).
	Control output	•Supports the trigger ready (READY) and system error (ERROR). •Photo MOSFET*4
	Synchronous input / output	For trigger synchronization of multiple controllers*5
	Ethernet	Supports the profile output, setting, controll, 1000BASE-T/100BASE-TX*6
Encoder input	One system RS-422 line driver output (with 5 V output: Up to 150 mA), Open collector output (5 V / 24 V compatible) combined use	
Response frequency	RS-422	Single phase/Z-phase : 1.6 MHz 2-phase/1-multiplier : 1.6 MHz 2-phase/2-multiplier : 3.2 MHz, 2-phase/4-multiplier : 6.4 MHz
	Open collector (OC)	Single phase/Z-phase : 100 kHz 2-phase/1-multiplier : 100 kHz 2-phase/2-multiplier : 200 kHz, 2-phase/4-multiplier : 400 kHz
Laser ON input	Non-voltage Input (a short circuit via the short pin at the time of shipment from the factory)	
Ratings	Power voltage	24 VDC $\pm$ 10%
	Maximum current consumption	1.3A
Environmental resistance	Ambient temperature	0 to + 45 °C (DIN rail mounting) / 0 to + 40 °C (side mounting)
	Relative humidity	85% RH or less (no condensation)
Weight	Approx. 700 g	

\*1 When the measurement range is narrowed in accordance with the binning settings.

\*2 When the measurement range is set to minimum, binning is ON, and parallel imaging is ON. All other settings are default values.

\*3 When binning and parallel imaging are both ON. All other settings are default values.

\*4 Both plus common connection for NPN input devices and minus common connection for PNP input devices are possible.

\*5 Dedicated to synchronous I/O between controllers (LJ-X8000A).

\*6 The communication library (DLL) and the sample program are included in the PC application (LJ-H2X).

# Dimensions

\* Download CAD file or product manual for larger image/text and more detail.

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