MEMS Mirror Starter Kit

◆Feature

- 3 types of starter kits are available to meet your product development needs.
- Controlled signal output is prepared from the starter kit for your system and they are available for system development.
- Provided with an application software for projection control.
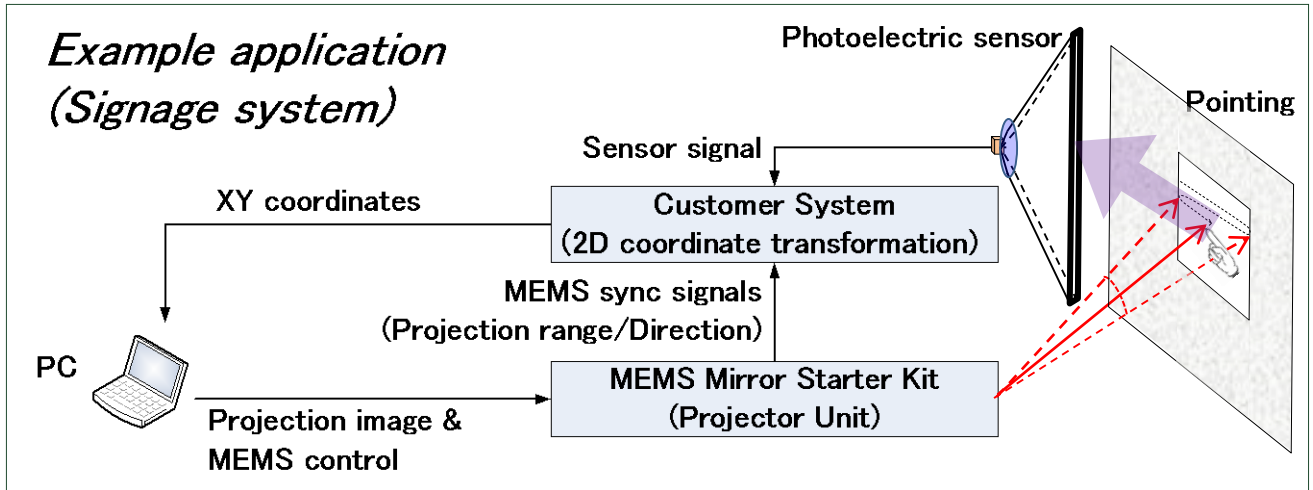
Picture of Starter Kit (Type A)

◆Provision

	Type A	Type B	Type C
	Built-in type	Separate type	MEMS with driver circuit
Optical Alignment	Implemented	Required	Required
LD	Included	Included	Not included
Layout			
Application	Image + sensing	Image	High power Laser sensing
Package Form	Ceramic package (No seal)	Ceramic package (No seal) or Metal package (Hermetic seal)	Ceramic package (No seal) or Metal package (Hermetic seal)

Other Spec	Model 1
	Optical swing angle
	  H × V = ±22 × ±12 [deg.]
	Resonant freq.
	  H × V = 36±1kHz × >700Hz
	Mirror size
	  Φ 1 mm
		or	Model 2
			Optical swing angle
			  H × V = ±20 × ±6 [deg.]
			Resonant freq.
			  H × V = 21.5±0.5kHz × >1kHz
			Mirror size
			  Φ 1.48 mm × 1.63 mm

STANLEY ELECTRIC CO.,LTD.

The information is current as of August 2022.

◆USER I/O
- Indicating the following information of MEMS mirror device.
  - Sync signals of projection range (projected / non-projected)
  - Sync signals of actuated direction
  - Status (activation/stop)
  - Waveform of Sensor signals and actuator signals for monitoring
- Provides an input terminal for emergency stop of MEMS mirror devices.

Example application (Signage system)

◆Cautions
- This starter kit emit highly concentrated visible lights which can damage the human eyes and skin. It has to follow the safety precautions stated in IEC 60825-1, "Safety of laser products".
- This starter kit may output a laser beam which is equivalent to Class 4 of IEC 60825-1 at MAX.

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Notes :
- Available quantities are limited.
- When purchasing, to sign a contract stipulated by us is required by customers.