

OPTOTUNE



Electrically tunable lenses

Model	EL-3-10	EL-10-30-TC	EL-10-30-C	EL-16-40-TC
Clear aperture (mm)	3	10	10	16
Size ØxH (mm)	10 x 4.0	30 x 9.7	30 x 20.7	40 x 11.9
Optical power range (dpt)	-2 to +3 -10 to +10	+8.3 to +20	+5 to +10 -1.5 to +3.5	-13 to +13
Refractive index	1.30			

Manually tunable lenses

Model	ML-20-37
Clear aperture (mm)	20
Size ØxH (mm)	37 x 13.2
Optical power range (dpt)	-18 to +18
Refractive index	1.38

Laser speckle reducer

Clear aperture (mm)	18.5 x 18.5
Transmission	Up to 98%
Oscillation type	1D (linear)
Oscillation amplitude(µm)	800
Resonant frequency	~120Hz

ELM-F Series

Focal length (mm)	5 to 300
F#	2.8 to 10.0
Pixel size (µm)	1.8 to 8.0
Sensor size	1/25" / 1/23" / 1/2" / 2/3" / 1"
Mount	C / S

ELM-T Series

PMAG	0.133x to 6.0x
F#	4.3 to 37.7
Working distance	61 to 338.7 mm
Sensor size	1" / 4/3" / 2/3" / 35mm
Mount	C / F / M42

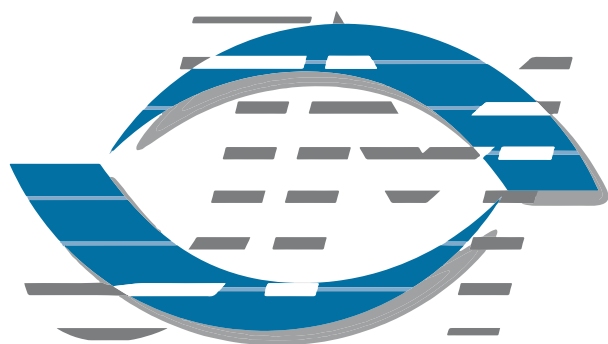
Fast steering mirror

Mirror size	10 or 15 mm
Mirror coating	Gold or Protected Silver

Controller

		Channel	1
		Interface	USB / UART / GigE / RS232
		Current range	±290 mA / ±400 mA
		Supply voltage	5 V / 24 V
		Connection	FPC / Hirose





JM VisTec System

“Our Vision, Tomorrow’s Innovation”

The Machine Vision Specialist

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