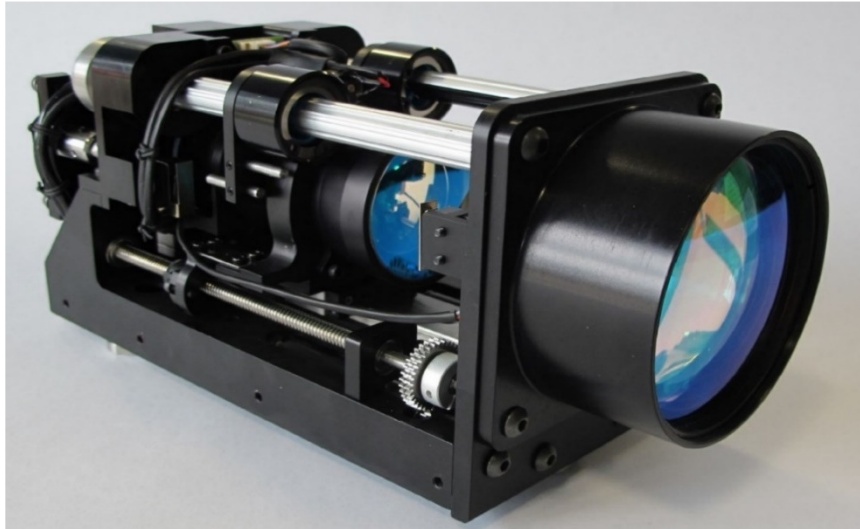


10-220 mm Extended Spectrum Zoom Lens Data Sheet

Description

Beck Optronics Solutions offers a range of high-performance ruggedized zoom lenses based on a common chassis and sharing the same control electronics. Applications include, but are not limited to, long range surveillance, border security and remote weapon stations. This lens is designed to operate over the 400-1100nm waveband. The whole system is fully automated for remote control, is built to full MIL-SPEC and can be customised to meet specific requirements.



Specification

Focal Length	10 mm to 220 mm
F/#	F/4 (constant through zoom range)
Image size	6 mm diagonal
Spectral correction	400 nm to 1.1 μ m
Field of view	35.7° at 10 mm 1.56° at 200 mm
Focus range	10 m to infinity
Zoom speed	≤5 seconds 10 mm to 220 mm (increased at -15°C)
Focus speed	≤5 seconds 10 m to infinity
Boresight retention	≤+/-0.1 mrad
Operating/storage temperature range	-15°C to +70°C
Mass	1.9 kg
Working voltage	12 V DC main board, 8V DC motors
Power requirements	0.75 A maximum
Vibration	Tracked vehicle, MIL-STD-810G, method 514.6
Shock	Transportation: 3 shocks in each direction, 25 g @ 6 ms
Dimensions	227 mm x 75 mm x 75 mm
Camera mount	C mount
Control interface	RS-422/USB or UART TTL (customer to specify)

About Beck Optronics Solutions

Beck has a reputation for excellence in design and manufacture of precision optics that can be traced back over 175 years. Based near London, UK, Beck delivers complex, integrated electro-optic systems for defence and commercial use across the electromagnetic spectrum from UV to LWIR. **For pricing or further information please contact us at:**

t: +44 (0) 1442 255755 | **e:** info@beckoptronic.com | **w:** beckoptronic.com

Beck Optronics Solutions Limited | Registered in England No 09072729 | VAT No GB 196 4396 58
Registered office: Focus 31 – West Wing, Mark Road, Hemel Hempstead, Hertfordshire HP2 7BW United Kingdom



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