

Description

Beck Optronic Solutions offers a high-performance ruggedised zoom lens suitable for long range surveillance and border security. Key features in addition to the normal zoom facility include: two range converters; apochromatically corrected to work over the 400 nm – 1050 nm spectrum to give very high performance at low light levels; extended image field to provide field of view scanning; the whole system is fully automated for remote control.

The system is built to appropriate Mil-SPEC standards and can be customised to meet specific requirements.



Specification

Focal Length	150 mm to 600 mm, 210 mm to 840 mm 300 mm to 1200 mm, 500 mm to 2000 mm 150 mm to 1200 mm with switchable range extenders
F/#	F/5.6 at 600 mm, F/7.8 at 840 mm F/11.2 at 1200 mm, F/18.7 at 2000 mm
Image size	36 mm diagonal (16 mm diameter for 500 mm to 2000 mm version)
Spectral correction	400 nm to 1.05 μ m
Focus range	50 m to infinity
Zoom speed	\leq 5 seconds 150 mm to 600mm, 210 mm to 840 mm, 300 mm to 1200 mm, 500 mm to 2000 mm or 150 mm to 1200 mm
Focus speed	\leq 5 seconds 50 m to infinity
Boresight retention	\leq +/-0.1mrad
Operating/storage temperature range	-40°C to +70°C
Mass	6 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	431 mm x 135 mm diameter

About Beck Optronic 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 Optronic 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



FM 623181