

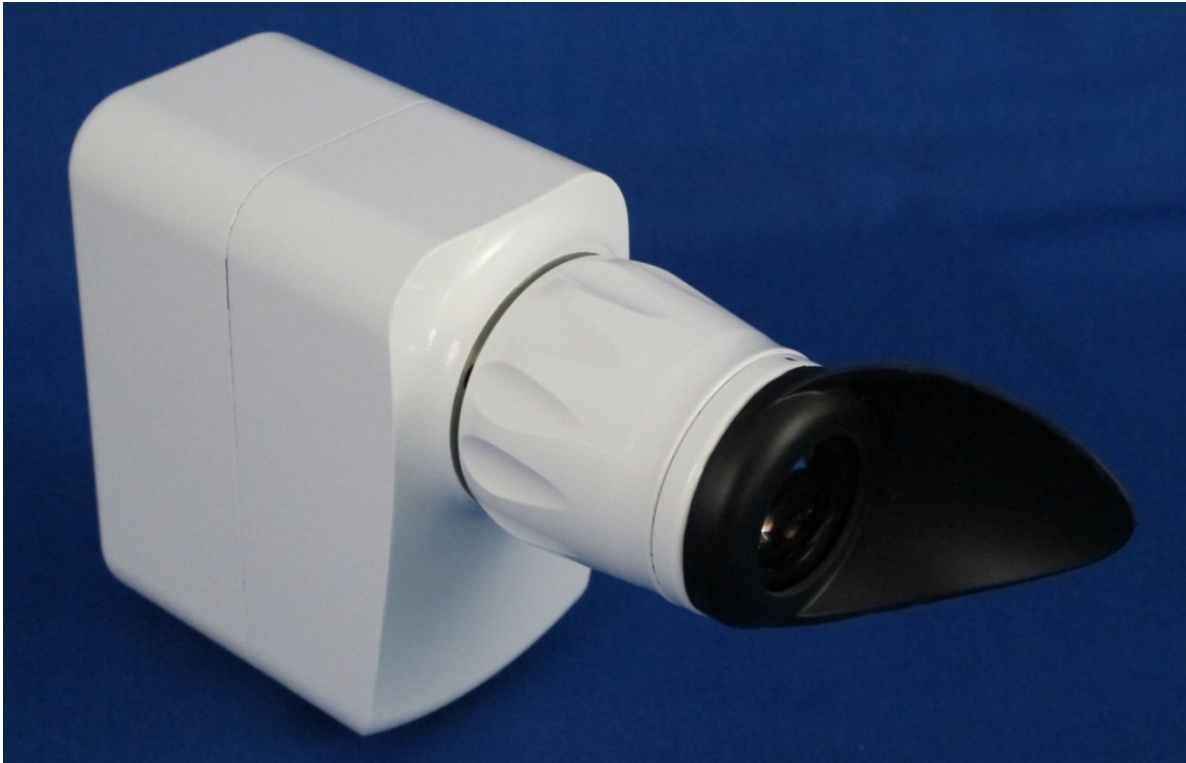
40° FoV SXGA Micro-display System

Data Sheet



Description

Beck Optronic Solutions' monocular SXGA display module is designed to simulate the eyepieces of armoured fighting vehicles and similar optical systems. It features high resolution (1,280 x 1,024 pixels), full colour, liquid crystal on silicon display and custom designed, multi-layer coated optics. The module is available as a standard product or can be customised as required.



Specification

Display type	FLCOS, reflective mode	
Display format	1,024 pixel circle	
Field of view	40°	
Eye relief	25mm	
Exit pupil diameter	7mm	
Contrast ratio	>200:1	
Uniformity	95%	
Distortion	<3%	
Colour technique	Colour sequential	
Colour depth	24 bits (red 8, green 8, blue8)	
Input format	Mode	SXGA (1,280 x 1,024 pixels)
	Frame rate	85Hz, non-interlaced
Input connector	DVI Connector	
Supply voltage range	12V DC +/-10%	
Power input connector	2.5mm jack plug	
Operating temperature range	+10°C to +60°C (-20°C to +60°C as an option)	
Storage temperature range	-40°C to +85°C	

About Beck Optronic Solutions

BOS has a reputation for excellence in design and manufacture of precision optics that can be traced back over 175 years. Based near London, UK, BOS 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:

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