

# SURVEILLANCE SYSTEM - OBSERVER [ S 100 ]

UK MADE



## IDENTIFICATION DATA

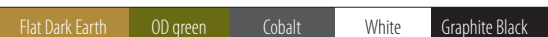
Type	OBSERVER
Reference No	S100
NSN	5855-47-000-8699

## DESCRIPTION

The Observer S100 is rugged surveillance system providing clear day/night, long range imagery through various obscurants like dust, smoke, haze, fog and many others. It is irreplaceable for carrying out surveillance activities from premises through window in total darkness. It is designed to capture the light sources in the ranges of SWIR. The Observer S100 has the ability to record videos with optional Digital Video Recorder and is also equipped with a video-out capability. The Observer S100 is equipped with motorized focus control. The Observer S100 has full metal aircraft grade aluminium housing and is protected by superior wear and corrosion resistant, chemically stable ceramic coating. Remote control system enables the operator to control motorized focus and external illumination device.



Custom colors available:



## OPTICAL SPECIFICATIONS

Sensor	px	640x480 InGaAs
Spectral range		VIS-NIR-SWIR
Focal length	mm	100
Field of view		5,5° (H) X 4,12° (V)
Type		SWIR
F-Number		1,5
Focus		Motorised control
Human target detection / recognition	km	3,8 / 1,2
NATO target detection / recognition	km	5,1 / 1,6

## POWER SUPPLY

External	VDC	9-30
Power consumption	W	<7

## ENVIRONMENTAL

IP Rating	Manufactured to IP67
Operating temperature	-20°C to +55°C
Storage temperature	-30°C to +60°C

## DIMENSIONS, CONNECTORS, WEIGHT & MOUNTING

Length x Width x Height	215 x 100 x 100 mm
Mounting system	Picatinny Rail (MIL-STD-1913)
Weight (without batteries)	1800 g
Connectors	CVBS Analog Video out. (BNC connector); External Power Supply (Fisher Ultimate™ UR02W07-F002-BK1 2-pin connector); Remote Control connector; External Laser Illuminator connector.

## FOR ENQUIRIES

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