

OSCU

Outdoor Surveillance Camera Unit

Senop OSCU is a passive outdoor surveillance camera unit for day and night-time use in extreme conditions. The system contains an uncooled thermal imager, a VIS camera, a digital magnetic compass, GPS and several wireless and wired connection options.

OSCU's modular structure makes it easy to integrate the unit into different command and control systems.

It has different power source and operating mode options. For example, a PIR sensor impulse can activate OSCU from sleep mode instantaneously.

With pattern classification algorithms, image and video capture and live video stream, OSCU can independently produce a precise situational awareness image. Users can also determine what data OSCU will send, for example, to a Command Post.

Depending on the optics and the purpose of use, OSCU's detection ranges are from meters to several kilometres.



TECHNICAL DATA

VIS		Thermal Imager	
Type	CCD, 1/3"	Type	Uncooled
Focus	Infinity	Resolution	640 x 480, 17 µm pitch
FOV	TBD (on request)	Wavelength	8 µm – 12 µm
Connections		FOV	TBD (on request)
USB		Power source	
RS 232 / 485		Internal power source	Li-Ion / AA size batteries
10-32 VDC input		External power source	10-32 VDC / 230 VAC 50 Hz
Mechanics		Optional features	
Dimensions and weight	TBD (Depends on the requested optics)	3G / 4G modem	
Environmental		Bluetooth	
Operating temp.	-40 to +55 °C	Wlan	
Storage temp.	-46 to +71 °C	Ethernet	
IP class	IP 67	GPS L1 C/A	
Qualification	MIL-STD-810	Digital Magnetic Compass	
Qualifying std.	ISO 9001:2008 and AQAP-2110	Heated protection windows	

Our policy is continuous development and improvement.
We therefore reserve the right to alter technical data without notice.

