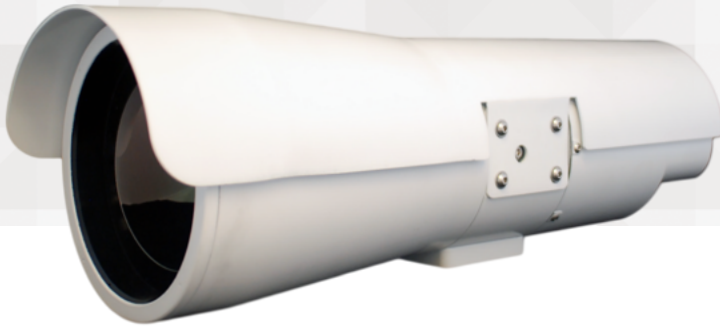


G5-IR

LONG RANGE ALL WEATHER SECURITY & SURVEILLANCE



SIERRA-OLYMPIC
Technologies Inc.



The 550CZ-18 is the system of choice for long range all-weather security and surveillance. With long range target detection and recognition capabilities, the 550CZ-18 combines high-end performance with G5-IR reliability and ease of use.

The 550CZ-18 is designed for long range detection with its continuous zoom lens that produces an 18° horizontal field of view (HFOV) at wide angle and a 1° HFOV at narrow angle. In good conditions, the camera system will reliably detect humans at 18 kilometers. The 550CZ-18 utilizes a long life cooler to ensure reliable imagery over the life of the camera system. G5-IR stands by this product with an industry leading 25 month warranty. The cooled 640 x 512, 15µm InSb detector is optimized for spectral response in the mid-wave infrared spectrum, commonly considered the best technology for imaging in marine and high humidity environments. The 550CZ-18 delivers in all conditions with its dry nitrogen backfilled enclosure that is rated IP67. The camera system produces analog or digital video and is controlled remotely via serial commands. The camera includes an intuitive, full featured graphical user interface.

APPLICATIONS:

- + Vessel traffic monitoring
- + Border protection
- + Critical infrastructure protection
- + Airport perimeter surveillance

FEATURES:

- + 18X continuous optical zoom
- + 18° to 1° horizontal field of view

- + f/4.0 high sensitivity zoom lens
- + Auto focus
- + Cooled 3-5µm detector
- + Long life cooler
- + 25 month warranty
- + Environmentally sealed IP67 housing
- + G5 Image processing / edge enhancement
- + Optional SD/SDI digital video output



G5-IR

LONG RANGE ALL WEATHER SECURITY & SURVEILLANCE



SIERRA-OLYMPIC
Technologies Inc.

SPECIFICATIONS:

Detector	640 x 512, 15µm pixels
Cooler	Long-life cooler, 2-year warranty
Spectral Range	3-5µm
Horizontal field of view	Wide - 18° Narrow- 1°
Focus	One touch auto or manual
Continuous Zoom	18x optical 8x digital
Imaging Processing	Sharpness filter with 10 settings, Adaptive Histogram Equalization, Linear AGLC, Manual Contrast and Brightness

SYSTEM INTERFACE:

Video output	NTSC, PAL, 14 bit CameraLink Base, SD-SDI
Command & Control	RS-232, 4-wire RS-422, Camera control over CameraLink

POWER:

Input power	6-32 VDC
Power consumption	20 watts typical @ 25° C

ENVIRONMENTAL:

Operating Temp	-32 to 60° C
Storage Temp	-40 to 85° C
Standards	MIL-STD 810G
IP	IP67, dry nitrogen backfilled
Heater	Front element defroster

PHYSICAL:

Size (L x W x Depth)	6.9 x 6.9 x 18.8 in. (includes sun-shield)
Weight	13.9 lbs. (includes sun-shield)
Mount	¼ - 20 tripod interface 3/8-16 tripod interface
Part number / Options	200102 Options include: Camo paint
Warranty	25 months

Specifications and descriptions subject to change without notice.

OPTICAL RANGE CAPABILITY:

550mm @ 18km					
HFOV°	VFOV°	IFoV (mr)	H Field Size (meters)	V Field Size (meters)	Pixels per meter
1.0°	0.8°	0.027	314	236	2.04
550mm @ 10km					
HFOV°	VFOV°	IFoV (mr)	H Field Size (meters)	V Field Size (meters)	Pixels per meter
1.0°	0.8°	0.027	175	131	3.7

*field size is the number of meters displayed from left to right; top to bottom.