

MWIR 300CZ

14X Zoom Thermal Camera

The 300CZ-14 Continuous Zoom

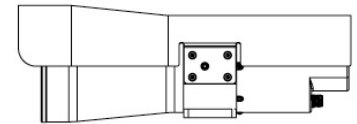
Thermal Camera is the system of choice for mid range & long range all-weather security and surveillance. With outstanding target detection and recognition capabilities, the 300CZ-14 combines high-end performance with reliability and ease of use.

The 300CZ-14 delivers in day or night an extraordinarily clear thermal video with the convenience of continuous zoom from 22 to 300mm. Its horizontal field of view zooms smoothly from 24.6° to 1.4°. It enables man-sized target detection at ranges in excess of 11km in good conditions. The 300CZ-14 integrates advanced cooled photodetector technology in a 640 x 512, 15µm Pitch focal plane array and operates in the 3–5µm MWIR spectral region — the best choice for marine and high humidity environments. Environmentally sealed, dry nitrogen backfilled enclosure ensures operability and stability over variable temperatures and diverse weather conditions. The 300CZ-14 imager is remotely controllable via serial interface and Graphical User Interface.

Applications: Vessel Traffic Surveillance, Border Protection, Critical Infrastructure Protection, Airport and Port Security

*Range Performance

- D = Detection** 50% Probability D / R / I
 - R = Recognition** Target 2 degree delta T vs background
 - I = Identification** Clear atmosphere / very low turbulence
- Actual range performance will vary based on a number of conditions, including user experience, display size/quality, weather/atmospheric conditions, etc.



Side View



Rear View



Mid Range Thermal Imaging Camera

Featuring:

- 14X Continuous Optical Zoom
- 24.6° to 1.4° Horizontal Field of View
- F/4.0 High Sensitivity Zoom Lens
- Auto Focus
- Cooled 3–5µm MWIR Detector
- 640 x 512 pixels Focal Plane Array
- Multiple Command Protocol
- 2 Year Warranty
- Environmentally Sealed IP67
- Target Detection* Man >11km, Vehicle >25km
- G5 Image Processing
- Edge Enhancement
- Optional: SD SDI Digital Video Output

Range in Kilometers

2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	
I	R			I																
		D			R							D								

-  = Target Size (1.8x0.5m)
-  = Target Size (2.3x2.3m)

MWIR 300CZ-14 Thermal Camera

Part	200070
Video	PAL/NTSC/Digital Video Optional
Power	6-32 VDC/ 20 Watts typical @ 25°C
Environmental	Unit sealed and dry nitrogen backfilled, rated IP67 Front Element Defroster Operating Temperature Range: -32°C to +60°C
Control	Control and command available via an RS-232/422 serial interface and PC Graphical User Interface
Mount	1/4-20 Tripod Interface 3/8-16 Tripod Interface
Weight	11.8 lbs (5.35 kg)
Length	15.3 in (39.05 cm)

Cooled Sensor

Detector	640 x 512, 15µm Pitch
Spectral Band	3–5µm
Warranty	2 -Years

Zoom Lens

Spectral Range	3–5µm
Lens Type	Continuous Zoom, 22-300mm
Lens Features	Motorized remote operation Auto and manual focus adjust 14x Continuous Optical Zoom (WFOV- NFOV) 24.6° x 18.6° 1.8° x 1.4°
Field of View	