MWIR 785CZ
18X Zoom Thermal Camera

The 785CZ Continuous Zoom Thermal Camera combines high-end performance with unparalleled long range target detection, recognition capabilities, reliability, and ease of use.

With the convenience of 44 to 785mm continuous zoom, the 785CZ provides extraordinarily clear long range thermal video image in all conditions—day, night, or inclement weather. The horizontal field of view zooms smoothly from 12.5° to 0.7°. In good conditions, the camera enables man-sized target detection at ranges in excess of 25 km. The 785CZ integrates advanced cooled photodetector technology in a 640 x 512, 15μm pitch focal plane array and operates in the 3-5μm MWIR spectral region, making it the ideal choice for marine and high humidity environments. The camera has an environmentally sealed, dry nitrogen backfilled enclosure that ensures operability and stability over variable temperatures and diverse weather conditions. The imager is remotely controllable via serial interface and an intuitive Graphical User Interface or Senspex’s Video Management Systems.
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System Specifications

Video
NTSC/PAL/Digital Video Optional

Format Power
6-32 VDC/ 20 Watts typical @ 25°C

Environmental
Unit sealed and dry nitrogen backfilled, rated IP67
Front Element Defroster
Operating Temp. Range: -32° to +60°C

Controls
Control and command available via RS-232/422 serial interface and PC
Graphical User Interface

Weight
24.1 lbs (10.9 kg)

Length
24.9 in (63.2 cm)

Mount
1/4- 20 Tripod Interface
3/8-16 Tripod Interface

Thermal Camera Characteristics

Detector
640 x 512, 15μm Pitch

Spectral Band
3-5μm

Warranty
2- years

Spectral Range
3-5μm

Lens Type
Continuous Zoom, 44-785 mm

Lens Features
Motorized Remote Operation
Auto and Manual focus
18x Continuous Optical Zoom

Field of View
(WFOV- NFOV) 12.5° x 9.4° to 0.7° x 0.5°

Manufacturer reserves the right to change specifications to reflect latest changes in technology and improvements at any time without notice. Export is subject to US Government regulations.

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