



Wuhan Joho Technology Co., Ltd
Tel: + (86)27-6502 7980 Phone: + (86)131-5246 5800
Address: No.6, 3rd Road of Huagong Science
&Technology Zone, East Lake New Technology
Development District, Wuhan, China, 430074



JH640-280

Miniature Airborne MWIR Cooled Thermal Camera



280mm long focal length medium wave cooled thermal camera mainly used for remote observation. This mini-size thermal camera adopts high sensitivity medium wave cooled module, 640x512 module resolution able to guarantee the clearer image; 15mm~280mm continuous zooming optical lens can recognize different target effectively, such as person, vehicle or vessel in a long distance.



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TECHNICAL SPECIFICATION

DETECTOR	
Detector Type	MCT
Pixel	640x512
Spectral Band	3.7 μ m ~ 4.8 μ m
Pitch	15 μ m
NETD	\leq 23mk @ 25°C
Cooling Type	Stirling Cycle Cooling
OPTICS	
Focal Length	15mm ~ 280mm continuous zooming, F#:5.5
FOV (H)x(V)	1.97°x 1.58°~ 36.5°x 29.2°
FUNCTION & INTERFACE	
Frame Frequency	30Hz (50Hz customized)
Analog Video	PAL
Communication Control Interface	RS232 / RS422(alternative)
Shutter Calibration	Manual / Automatic
Background Calibration	Yes
Polarity	BH / WH
Electronic Zoom	x 2 / x 4
Cross Cursor Display	On / off
Cross Cursor Position	Adjustable
Image Gain	Adjustable
Image Brightness	Adjustable
Image Enhancement	Adjustable
Image Reversal	Adjustable
Power Supply	DC 24-36V
Consumption	\leq 10W @ 25°C
ENVIRONMENTAL	
Operating Temperature	-32°C ~ 60°C
Storage Temperature	-40°C ~ 70°C
Vibration & Shock Proof	GJB150.16-86 / MIL-STD-810F-514.5
High & Low Temperature Test	GJB150.3-86 / MIL-STD-810F-514.5
PHYSICAL	
Weight	\leq 1.6kg
Dimension	\leq 218mm x 98mm x 89mm
Color	Oxidation Black
DETECTION RANGE	
Detection Range	8km (2.3m x 2.3m vehicle) 4.5km (1.7m person)

