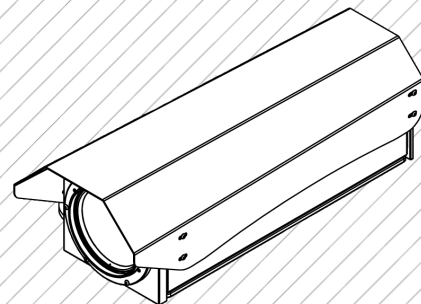# EVO²
Powered by
NexOS

EVO2 THERMAL CAMERAS

UNCOOLED THERMAL ZOOM LENS, 640x512 SENSORS

* Illustration indicative & subject to model

THERMAL IMAGER

Part Number	RHTX07IFB20Z100FW	RHTX07IFB26Z105FW	RHTX07IFB30Z150FW	RHTX07IFB25Z225FW	RHTX07IFB20Z300FW
Focal Length	20mm to 100mm	26mm to 105mm	30mm to 150mm	25mm to 225mm	20mm to 300mm
Horizontal Field of View	22° (W) to 4.4° (T)	16.9° (W) to 4.2° (T)	14.7 (W) to 2.9° (T)	17.6° (W) to 2.0° (T)	22.0° (W) to 1.5° (T)
F Number	F1.1	F1.6	F1.2	F1.5	F1.5
Optical Zoom (Continuous)	5x, Motorised	4x, Motorised	5x, Motorised	9x, Motorised	15x, Motorised
Digital Zoom			20x		
Focus		Push autofocus, continuous autofocus, continuous autofocus with automatic ROI, manual			
Detector Type		Uncooled VOx microbolometer, ≤20mK (at 20℃, F1.0), 60Hz, 12µm, 640 x 512			
Spectral Band		8 to 14µm (LWIR / 8 to 14µm)			
Image Processing		Correction (NUC), noise filtering, polarity control, Digital Detail Enhancement (DDE), 10x colour palettes (including white hot /black hot polarity)			

NexOS *

NexOS Core (Standard)	NexOS Core includes: Push autofocus, continuous autofocus, continuous autofocus with automatic ROI, digital zoom, image contrast enhancements, CLAHE, electronic image stabilisation (2D), static overlays, remote upgrades, remote diagnostics
NexOS Performance Pack (Cost Option)	In addition to NexOS Core, includes: Electronic image stabilisation (3D), target tracking, target classification, event detection, dynamic overlays, dynamic boresight, dynamic absolute positioning, edge recording

ELECTRICAL AND MECHANICAL

Boresight with Rapid Release Mechanism	Anodised aluminium, quick release bracket with micro adjustment boresight mechanism	
Video Output	RTSP, ONVIF from PTU (H.264, H.265 and MJPEG)	
IP Rating	IP67	
Temperature Range	-32°C (-25°F) Up to 65°C (149°F) (-40°C/°F with optional Cold Weather Pack)	
Input Voltage	48VDC	
Fixing Material	Stainless steel	
Housing Material and Finish	Anodised aluminum (nitrogen purged), white powder marine grade paint finish (other colours are available upon request)	
Weight (Typical)	18.3Kg / 40.3lb	25Kg / 55.1lb
Dimensions (Typical)	L740 x W298 x H249mm	L1000 x W319 x H292mm
Compatible PTU's	Jaegar PTU	

PART CODES

RHTX07IFB20Z100FW	EVO2 Thermal IP camera, with a 20-100mm, F1.1 thermal zoom lens and array format of 640x512, 12µm, 60Hz, NexOS, white colour
RHTX07IFB26Z105FW	EVO2 Thermal IP camera, with a 26-105mm, F1.6 thermal zoom lens and array format of 640x512, 12µm, 60Hz, NexOS, white colour
RHTX07IFB30Z150FW	EVO2 Thermal IP camera, with a 30-150mm, F1.2 thermal zoom lens and array format of 640x512, 12µm, 60Hz, NexOS, white colour
RHTX07IFB25Z225FW	EVO2 Thermal IP camera, with a 25-225mm, F1.5 thermal zoom lens and array format of 640x512, 12µm, 60Hz, NexOS, white colour
RHTX07IFB20Z300FW	EVO2 Thermal IP camera, with a 20-300mm, F1.5 thermal zoom lens and array format of 640x512, 12µm, 60Hz, NexOS, white colour
Options	All optional features, modules, cable and ancillary part numbers are available upon request

* NexOS cameras to be sold with a Silent Sentinel NexOS PTU, capabilities are be subject to camera type.

Specifications may be subject to change without notice.
E&OE 24/01/2025 V4.5

REACH RoHS C€ 🇬🇧 UK Manufacturer

SILENT SENTINEL
a Motorola Solutions Company

EVO²
Powered by NexOS

EVO2 THERMAL CAMERAS

FURTHER OPTIONS

* Illustration indicative & subject to model

OPTIONS	
Miscellaneous	Laser range finder*, laser Illuminator*, white light illuminator*, IR illuminator*, signal light gun*, UAV effector*, acoustic hailer*, cold weather pack*. * (When part of a PTU system)

PLEASE CONTACT US FOR A SPECIFIC CONFIGURATION

* NexOS cameras to be sold with a Silent Sentinel NexOS PTU, capabilities are be subject to camera type.

Specifications may be subject to change without notice.
E&OE 09/12/2024 V4.4

REACH   RoHS   C€   🇬🇧 UK Manufacturer

SILENT SENTINEL
a Motorola Solutions Company