



SIGHT SERIES

MULTI SENSOR VISION SYSTEM

**SIGHT IS QUALIFIED:
MIL-STD-810G FOR THE FOLLOWING PROCEDURES:**

High Temp. - Method 501.6, Procedure I Storage high temp 168H
Low Temp. - Method 502.6, Procedure I Storage low temp 24H
High Temp. - Method 501.6, Procedure II Operation high temp 24H
Low Temp. - Method 502.6, Procedure II Operation low temp
Temperature Shock -Method 503.6,63/-33, 1 cycle
Vibration - method 514.7, transportation highway,1h each axis total 3h
Vibration - method 528.1, operational 15 sec each frequency, endurance 2h
Shock - method 516.7, Procedure I,40g/11ms
Dust -method 510.6, procedure I
Salt Fog, total 96h
SAND -Method 510.6, procedure II
Humidity - Method 507.6, Procedure II, 240H
Sealing test towards IEC60529 IP67 code
Solar radiation - Method 505.4 procedure I – 72h
Rain - Method 506.4, Procedure II, 15minutes
Fluids contamination - Method 504.3

MIL STD 461F EMI RFI

CE101, CE102, CS101, CS114, CS116, RE101 RE102, RS101,
RS103 (2Mhz-18Ghz;50V/m).

Tested by:




ISRAEL TESTING LABORATORIES
Global Certifications You Can Trust


				
	MWIR15-250	LWIR 25-225	LWIR 25-150	LWIR 20-100
LOW LIGHT DAY SENSOR	Global Shutter 30 FPS 1600x1300 x36 Zoom 4,5mm-162mm H-FOV 59,0° to 2,4° V-FOV 33,6° to 1,4°	Full HD 30 FPS 1920x1080 Up to x92 Zoom 6,1mm-561mm H-FOV 63,4° to 0,98° V-FOV 37,6° to 0,60°	Global Shutter 60FPS 1600x1300 x36 Zoom 4,5mm-162mm H-FOV 59,0° to 2,4° V-FOV 33,6° to 1,4°	Global Shutter 60FPS 1600x1300 x36 Zoom 4,5mm-162mm H-FOV 59,0° to 2,4° V-FOV 33,6° to 1,4°
NIGHT SENSOR	COOLED MWIR x16,6 Zoom 15-250 mm FOV 35,5° to 2,2°	LWIR 1280x1024 x9 Zoom 25-225mm FOV 34,2° to 3,9°	LWIR 640x512 x6 Zoom 25-150mm FOV 17,5° to 2,93°	LWIR 640x512 x5 Zoom 20-100mm FOV 22,5° to 4,4°
DRI				
DETECTION (m) Human/NATO target	8,660/14,500	6,495/14,375	4,300/9,583	2,886/6,388
RECOGNITION (m) Human/NATO target	4,330/9,583	3,247/7,187	2,165/4,791	1,443/3,194
IDENTIFICATION (m) Human/NATO target	3,247/7,187	2,435/5,390	1,623/3,593	1,082/2,395
LRF Laser Range Finder	up to 8KM NATO Target	up to 8KM NATO Target	up to 8KM NATO Target	up to 8KM NATO Target
POWER	12-40 VDC 120W Max. MIL.STD704, MIL.STD810G POWER STABILIZER			
DIMENSIONS (mm)	250x190x240	360x275x275	290x190x264	250x190x255
INTERFACE	ETHERNET INTERFACE			
CONNECTOR	Hermetic Stainless Steel D38999/23YC35PN			
WEIGHT (kg)	9 kg	21 kg	9 kg	9 kg
IP RATE	IP67 Nitrogen Purged			

SIGHTMWIR15-250



DAY SENSOR	Global Shutter 60FPS 1600x1300 X36 Zoom 4,5mm-162mm
FIELD OF VIEW	H-FOV 59,0° to 2,4° V-FOV 33,6° to 1,4°
THERMAL SENSOR	COOLED MWIR x16,6 Zoom 15-250 mm
FIELD OF VIEW	FOV 35,5° to 2,2°
LRF	Up to 8 KM NATO Target

 9 (kg)

 250x190x240 (mm)

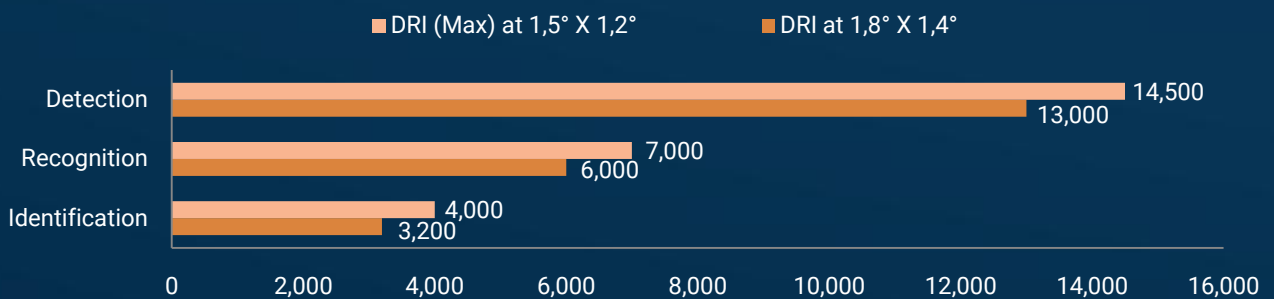
POWER 12-40 VDC 120W Max.
MIL.STD704, MIL.STD810G POWER
STABILIZER

INTERFACE ETHERNET INTERFACE

CONNECTOR Hermetic Stainless Steel
D38999/23YC35PN

IP RATE IP67 Nitrogen Purged

SIGHTMWIR NIGHT DRI (m)



SIGHTMWIR DAY DRI (m)



SYSTEM OVERVIEW

LRF

LASER RANGE FINDER
Up to 8KM
NATO Target
SAPPHIRE WINDOW

DAY ZOOM SENSOR

GLOBAL SHUTTER 60FPS
1600x1300
x36 ZOOM
4,5mm -162mm
SAPPHIRE WINDOW

MWIR ZOOM SENSOR


COOLED MWIR
X16,6 ZOOM
SPARROW 15-250mm


- EX-SIGHT APPLICATION, SDK OPEN SOURCE C#
- LASER POINTER ON LRF CAMERA
- ETHERNET & ANALOG INTERFACE
- IP-67 NITROGEN PURGED

SIGHT25-225

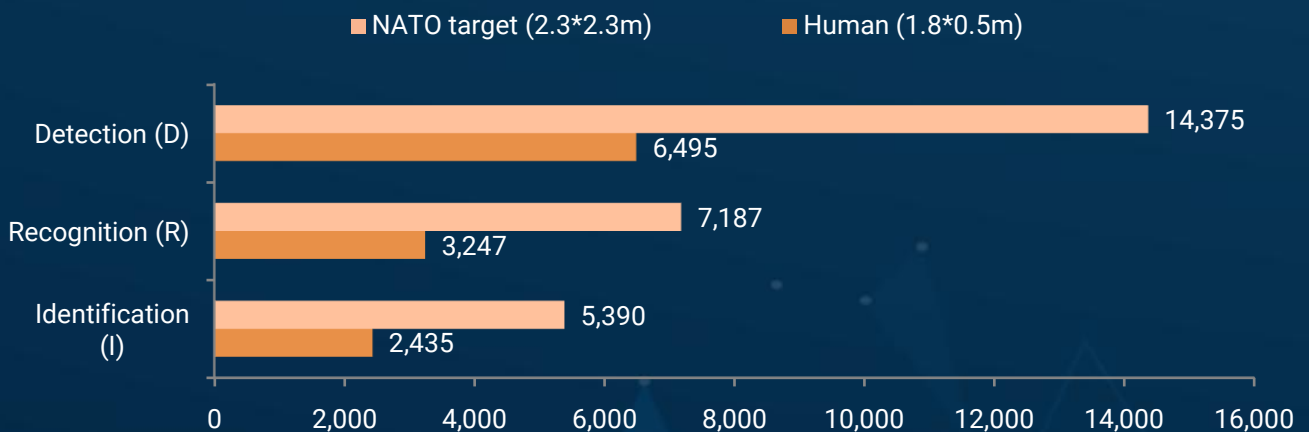
DAY SENSOR	Full HD 30 FPS 1920x1080 Up to x92 Zoom 6,1mm-561mm
FIELD OF VIEW	H-FOV 63,4° to 0,98° V-FOV 37,6° to 0,60°
THERMAL SENSOR	COOLED MWIR x16,6 Zoom 15-250 mm
FIELD OF VIEW	FOV 35,5° to 2,2°
LRF	Up to 8 KM NATO Target
POWER	12-40 VDC 120W Max. MIL.STD704, MIL.STD810G POWER STABILIZER
INTERFACE	ETHERNET INTERFACE
CONNECTOR	Hermetic Stainless Steel D38999/23YC35PN
IP RATE	IP67 Nitrogen Purged



 20 (kg)

 250x190x240 (mm)

SIGHT25-225 DRI LWIR (m)



SYSTEM OVERVIEW

DAY SCENE SENSOR

CAMERA SCENE 90° 4K
SAPPHIRE WINDOW

LRF

LASER RANGE FINDER
Up to 8 KM NATO Target

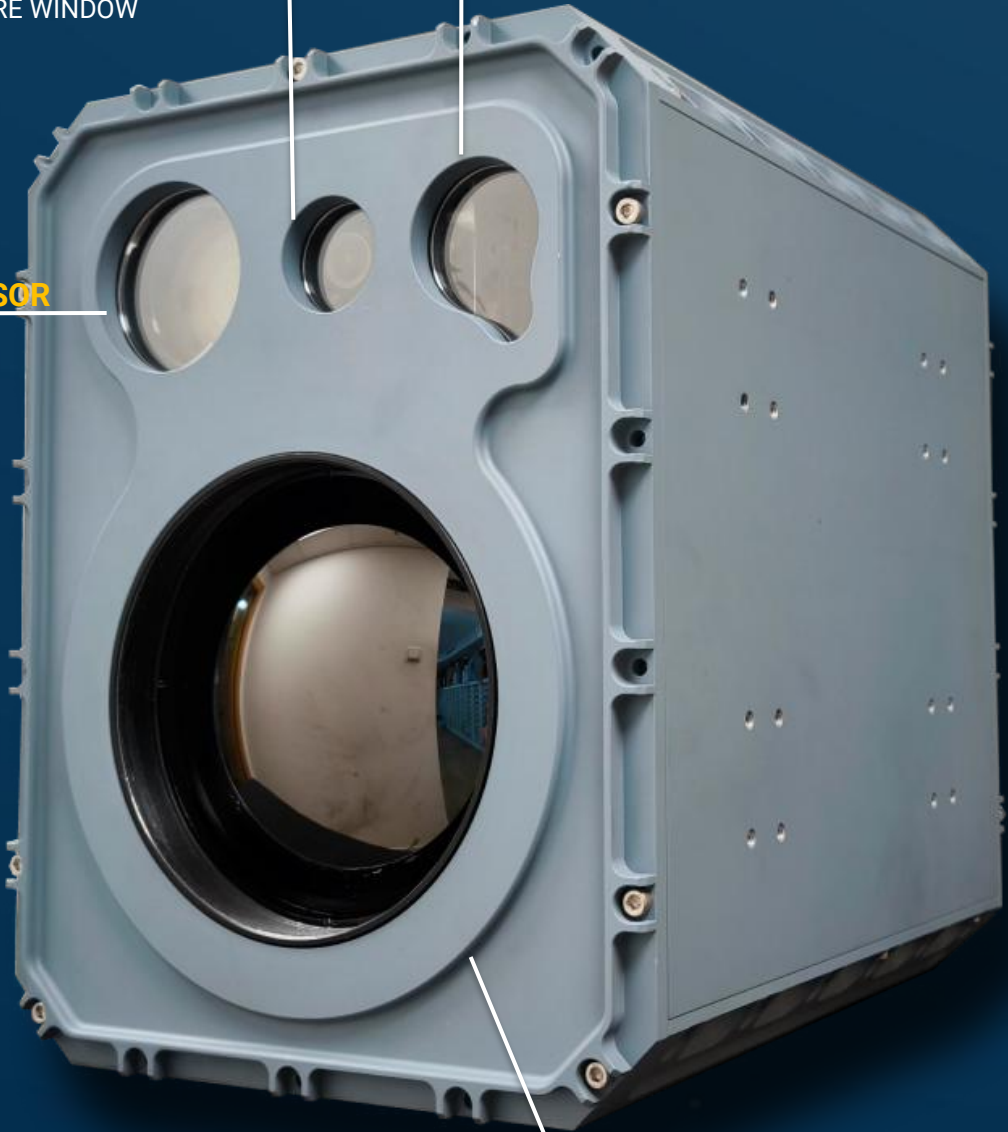
DAY ZOOM SENSOR

FULL HD 30FPS
1920x1080
Up to x92 ZOOM
6,1mm-561mm

LWIR ZOOM SENSOR

LWIR 1280x1024
x9 ZOOM
25-225mm

- EX-SIGHT APPLICATION, SDK OPEN SOURCE C#
- LASER POINTER ON LRF CAMERA
- ETHERNET & ANALOG INTERFACE
- IP-67 NITROGEN PURGED




SIGHT25-150



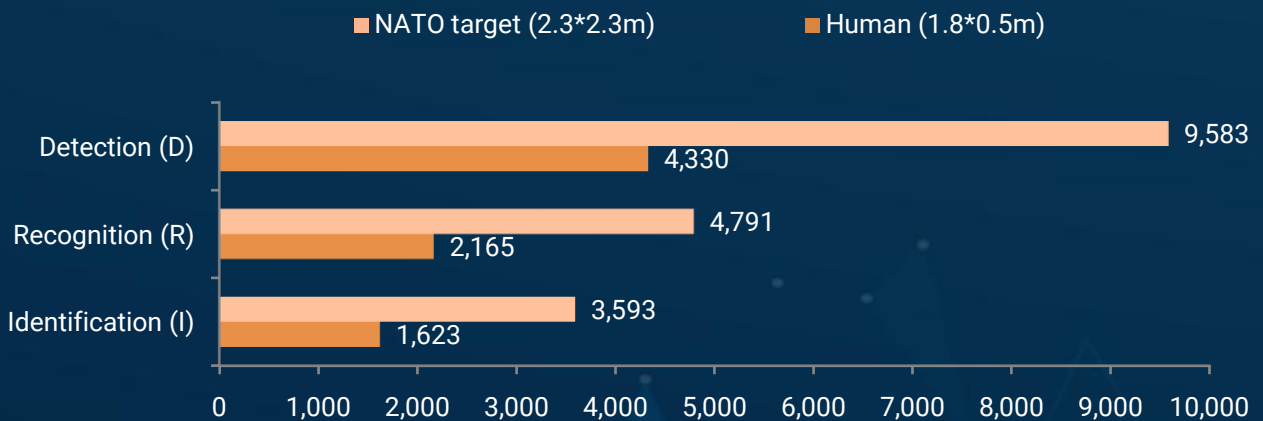
DAY SENSOR	Global Shutter 60FPS 1600x1300 X36 Zoom 4,5mm-162mm
FIELD OF VIEW	H-FOV 59,0° to 2,4° V-FOV 33,6° to 1,4°
THERMAL SENSOR	LWIR 640x512 x6 Zoom 25-150mm
FIELD OF VIEW	FOV 17,5° to 2,93°
LRF	Up to 8 KM NATO Target

POWER	12-40 VDC 120W Max. MIL.STD704, MIL.STD810G POWER STABILIZER
INTERFACE	ETHERNET INTERFACE
CONNECTOR	Hermetic Stainless Steel D38999/23YC35PN
IP RATE	IP67 Nitrogen Purged

 9 (kg)

 290x190x264 (mm)

SIGHT25-150 DRI LWIR (m)



SIGHT25-150

SYSTEM OVERVIEW

LRF

LASER RANGE FINDER
Up to 8KM
NATO Target
SAPPHIRE WINDOW

DAY ZOOM SENSOR

GLOBAL SHUTTER 60FPS
1600x1300
x36 ZOOM
4,5mm-162mm
SAPPHIRE WINDOW

LWIR ZOOM SENSOR

LWIR 640x512
x6 ZOOM
25-150mm

- EX-SIGHT APPLICATION, SDK OPEN SOURCE C#
- LASER POINTER ON LRF CAMERA
- ETHERNET INTERFACE
- IP-67 NITROGEN PURGED

SIGHT25-150H

SYSTEM OVERVIEW

LWIR ZOOM SENSOR

LWIR 640x512
x6 ZOOM
25-150mm

LRF

LASER RANGE FINDER
Up to 8KM
NATO Target
SAPPHIRE WINDOW



DAY ZOOM SENSOR

GLOBAL SHUTTER 60FPS
1600x1300
x36 ZOOM
4,5mm-162mm
SAPPHIRE WINDOW

- EX-SIGHT APPLICATION, SDK OPEN SOURCE C#
- LASER POINTER ON LRF CAMERA
- ETHERNET INTERFACE
- IP-67 NITROGEN PURGED

SIGHT20-100

DAY SENSOR	Global Shutter 60FPS 1600x1300 x36 Zoom 4,5mm-162mm
FIELD OF VIEW	H-FOV 59,0° to 2,4° V-FOV 33,6° to 1,4°
THERMAL SENSOR	LWIR 640x512 x5 Zoom 20-100mm
FIELD OF VIEW	FOV 22,5° to 4,4°
LRF	Up to 8 KM NATO Target
POWER	12-40 VDC 120W Max. MIL.STD704, MIL.STD810G POWER STABILIZER
INTERFACE	ETHERNET INTERFACE
CONNECTOR	Hermetic Stainless Steel D38999/23YC35PN
IP RATE	IP67 Nitrogen Purged

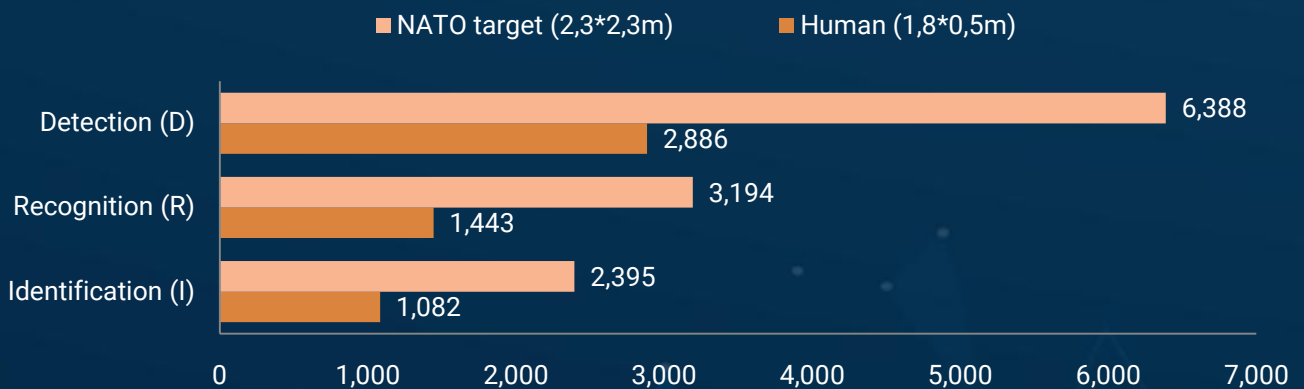


9 (kg)



250x190x255 (mm)

SIGHT20-100 DRI LWIR (m)



SIGHT20-100

SYSTEM OVERVIEW

LRF

LASER RANGE FINDER
Up to 8KM
NATO Target
SAPPHIRE WINDOW

DAY ZOOM SENSOR

GLOBAL SHUTTER 60FPS
1600x1300
x36 ZOOM
4,5mm-162mm
SAPPHIRE WINDOW

LWIR ZOOM SENSOR

LWIR 640x512
x5 ZOOM
20-100mm

- EX-SIGHT APPLICATION, SDK OPEN SOURCE C#
- LASER POINTER ON LRF CAMERA
- ETHERNET INTERFACE
- IP-67 NITROGEN PURGED

SIGHTMWIR PART NUMBERING

SIGHT MWIR		SM-640-250-36-N	
SM-[RES]-[LENS]-[ZOOM-DS]-[LRF]			
[RES]	LWIR RESOLUTION	640 (LWIR 640x512)	
[LENS]	LWIR LENS	250 Focal Length 15~250 mm	
[ZOOM-DS]	ZOOM DAY SENSOR	36 - x36 Optical Zoom, Global Shutter	
[LRF]	LRF	N - None	8 - 8Km NATO Target

SIGHTLWIR PART NUMBERING

SIGHTLWIR 25-225		SLB-1280-225-36-N	
SLB-[RES]-[LENS]-[ZOOM-DS]-[LRF]			
[RES]	LWIR RESOLUTION	640 (LWIR 640x512, 5.8mm)	1280 (LWIR 1280x1024, 13mm)
[LENS]	LWIR LENS	225 - Focal Length 25mm~225 mm	
[ZOOM-DS]	ZOOM DAY SENSOR	36 - x36 Optical Zoom, Global Shutter	92 - x92 Optical Zoom, 16x Digital Zoom
[LRF]	LRF	N - No LRF	8 - 8Km NATO Target

SIGHTLWIR 25-150		SLA-640-150-36	
SLA[POS]-[RES]-[LENS]-[ZOOM-DS]-[LRF]			
[POS]	CAMERA POSITION	BLANK - Vertical	H - Horizontal
[RES]	LWIR RESOLUTION	640 (LWIR 640x512, 5.8mm)	
[LENS]	LWIR LENS	150 Focal Length 25~150 mm	
[ZOOM-DS]	ZOOM DAY SENSOR	36 - x36 Optical Zoom	
[LRF]	LRF	BLANK - No LRF	8 - 8Km NATO Target

SIGHTLWIR 20-100		SLA-640-100-36	
SLA-[RES]-[LENS]-[ZOOM-DS]-[LRF]			
[RES]	LWIR RESOLUTION	640 (LWIR 640x512, 5.8mm)	
[LENS]	LWIR LENS	100 Focal Length 20~100 mm	
[ZOOM-DS]	ZOOM DAY SENSOR	36 - x36 Optical Zoom	
[LRF]	LRF	BLANK - No LRF	8 - 8Km NATO Target