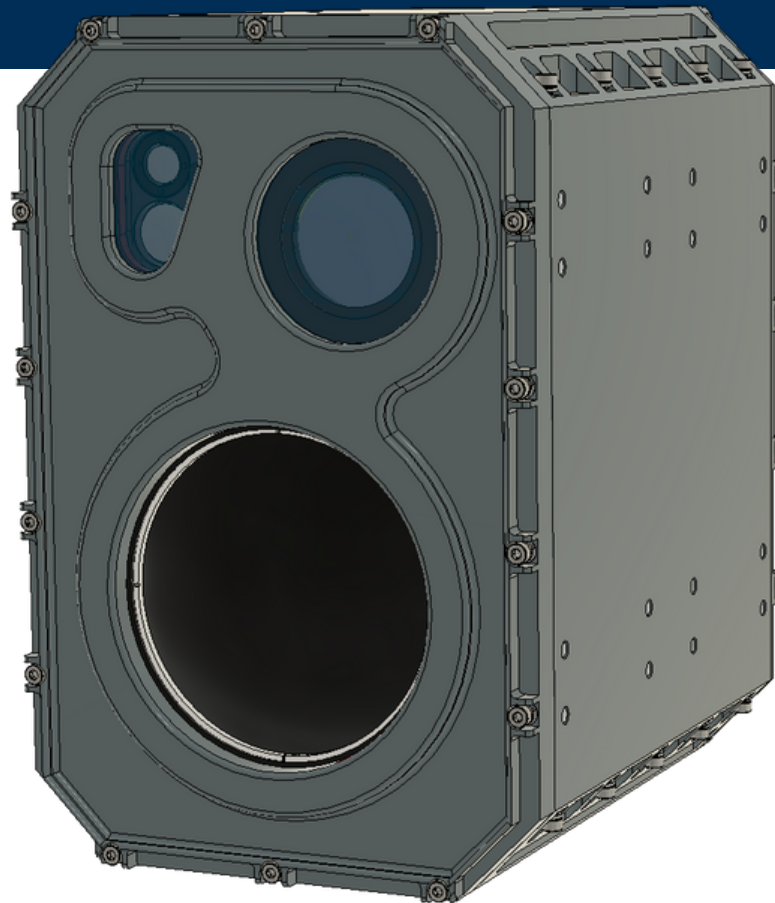


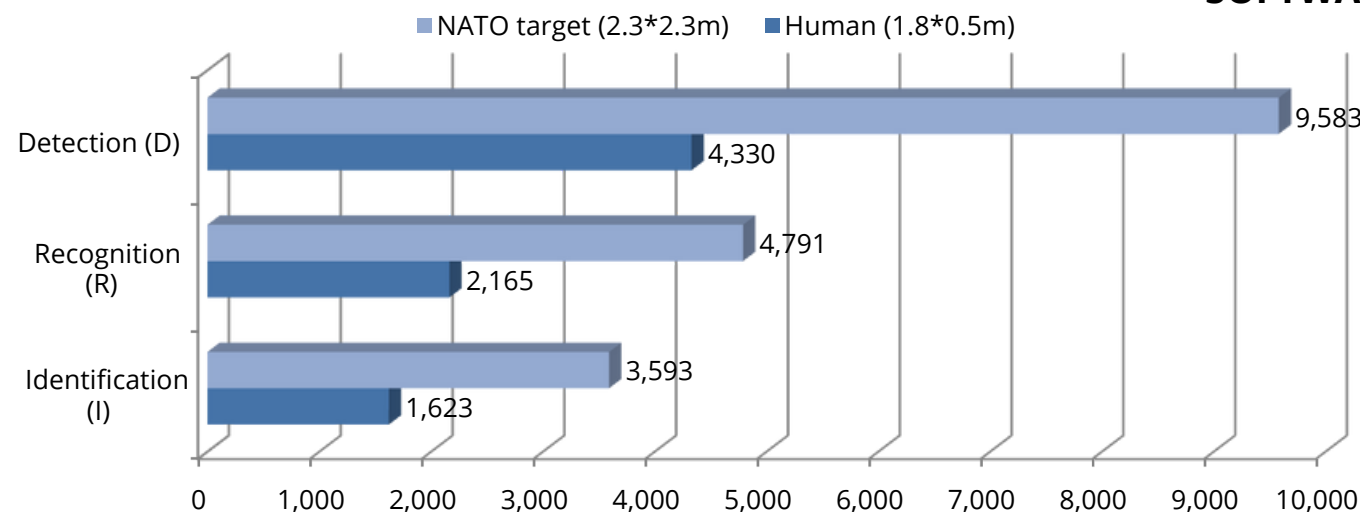


Viper Max

Viper is our cutting edge weapon sight which was specially developed for remote control Weapon systems (RCWS). **Viper** is a multi sensor electro-optical payload designed for easy integration in remote controlled weapon stations and long range surveillance. **Viper Max SYSTEM INCLUDES**

DAY Sensor	Global Shutter x36 Zoom 59.0°to 2.4°FOV
LWIRSensor	640x512 12μm 25-150mm Cont. x6 Zoom FOV 2.93°x2.34°to 17.5°x14°
LRF	8.6 KM NATO TARGET, 0.5-0.01m PRECISION
PSU	9-40 VDCMIL-STD-461; MIL-STD-1275; MIL-STD-704
CHASSIS	RAL 7004, Nitrogen purged, MIL.STD, CNC aluminum with hermetic D38999 Stainless Steel connector
INTERFACE SOFTWARE	Internal Ethernet Switch Ethernet, ONVIF, RTSP Ex-Sight Application, SDK Open Source C#

SIGHT25-150 DRI LWIR (meters)



Calculation according to Johnson Criteria at 150mm == 2.93°x2.34°FOV

SIGHT SYSTEM SPECIFICATION



Viper Max

HD GLOBAL SHUTTER X36 DAY SENSOR 1/2.8" 2MP PROGRESSIVE SCAN
GLOBAL SHUTTER CMOS, 1600X1300@60FPS/30FPS, H.265/H264
COMPRESSION, LENS F=4.5MM~162MM, OPTICAL ZOOM 36X, F1.5
(WIDE)~F4.0 (TELE), ICR, PRIVACY MASK FUCTION, HIGH LIGHT
COMPENSATION, WDR/BLC/HLC/AGC/3D-DNR, ZOOM SPEED
APPROXIMATELY 3.5S (OPTICAL LENS, WIDE TO TELE), COLOR:0.001 LUX
@(F1.5,AGC ON); B/W:0.0005LUX @(F1.5,AGC ON), SHUTTER 1/25S TO
1/100,000S, ANGLE OF VIEW (D, H, V) 59.0°~ 2.4°(WIDE~TELE), MOTION
DETECTION / DEFOG FUNCTION, SUPPORTS VISCA, ONVIF, PELCO PROTOCOL,
VIDEO OUT IP SAPPHIRE WINDOW

UNCOOLED LWIR SENSOR

RESOLUTION 640X512PIXEL, 12μM PIXEL PITCH,
FRAME RATE 50HZ, SPECTRAL BAND 8~4uM, NETD≤25MK@25°C, F#1.4.
BRIGHTNESS AND CONTRAST ADJUSTMENT, IMAGE PROCESSING:
NUC/DNR/DDE, ANALOG VIDEO OUTPUT 1-CHANNEL PAL/NTSC
LWIR LENS 25~150MM CONT. ZOOM AUTOFOCUS LENS / F1.4
640*512, 12μM

CONNECTION INTERFACE

HERMETIC TYPE C: D38999/23YE35PN,
VIDEO OUT DAY: PAL+HD-SDI , VIDEO OUT LWIR: PAL , CONTROL: RS-422

PSU (POWER SUPPLY UNIT)

INPUT VOLTAGE 9 TO 40VDC, 120W MAX.
MIL-STD-461; MIL-STD-1275; MIL-STD-704

ENVIRONMENTAL

IP-67, NITROGEN PURGED, HERMETIC SEALED, ALUMINUM CHASSIS
(6061) STAINLESS STEEL SCREWS (N316)

32KM LRF (LASER RANGE FINDER)

EYE SAFE 8.6KM NATO TARGET, 0.5-0.01M PRECISION, 0.6 MRAD BEAM
DIVERGENCE, 1M RESOLUTION, TARGET DISCRIMINATION
<30M, ALIGNMENT POINTER, SAPPHIRE WINDOW

PART NUMBERING

SLA-640-150-36

SLA-[RES]-[LENS]-[ZOOM-DS]-[LRF]

[RES] LWIR RESOLUTION

640 (LWIR 640x512 , 5.8mm)

[LENS] LWIR LENS

150 Focal Length 25mm~150mm

[ZOOM-DS] ZOOM DAY SENSOR

36x Optical Zoom

[LRF] LRF

Blank -No LRF

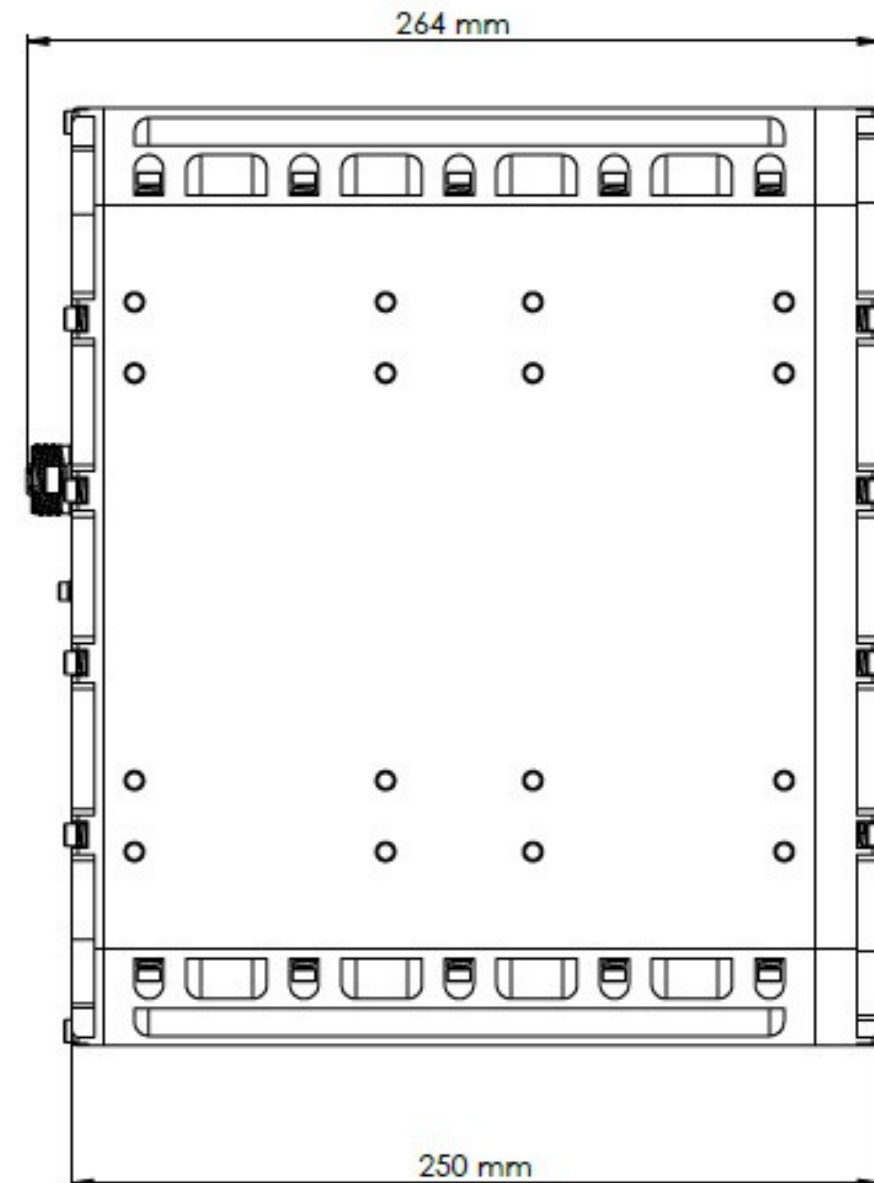
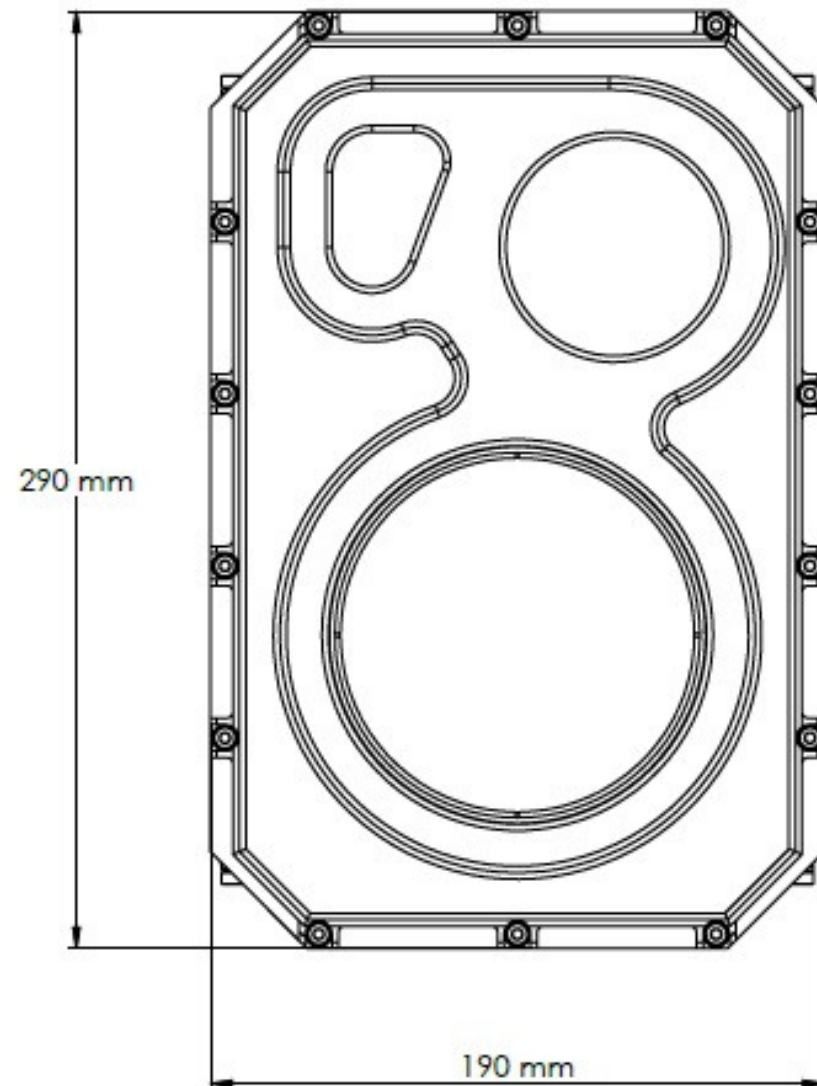
LRF1 -LRX-20A 32Km

LRF2 -LR6000 6Km

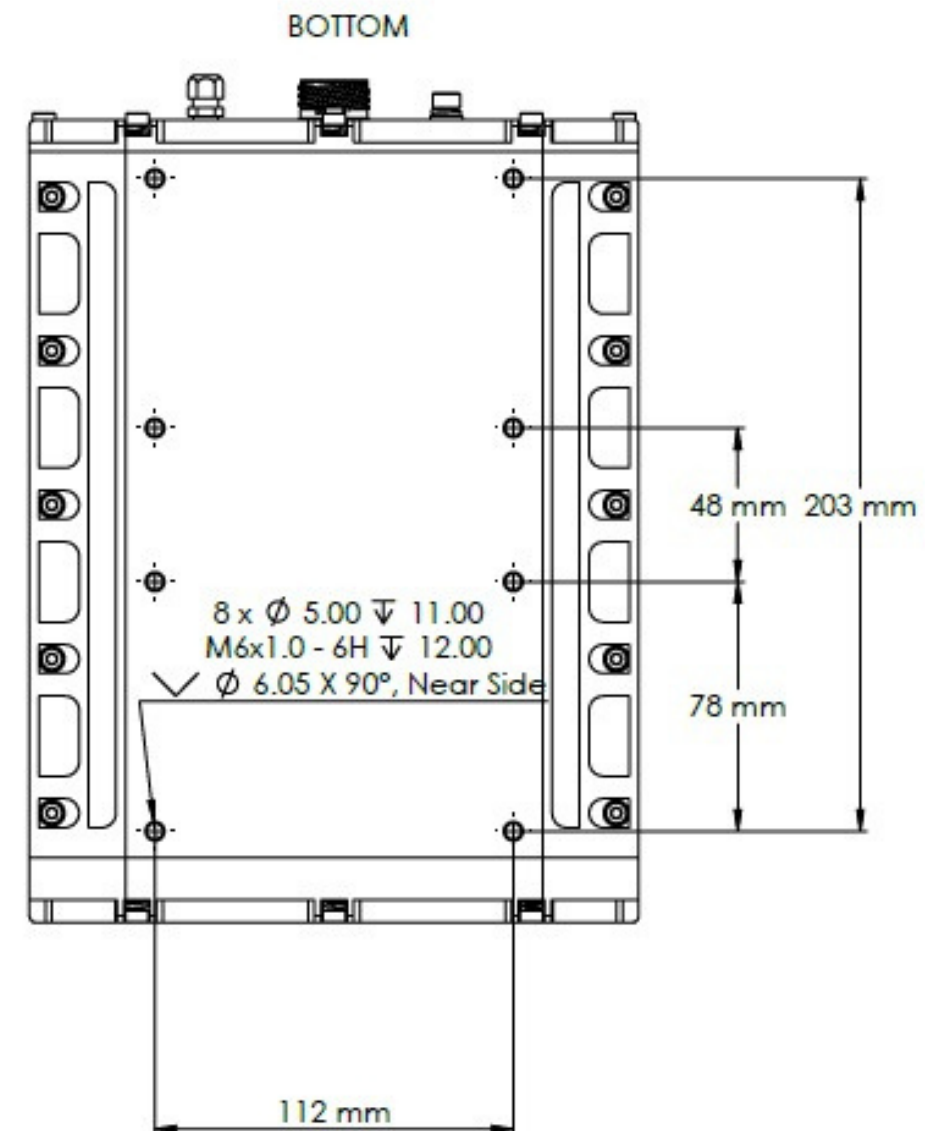
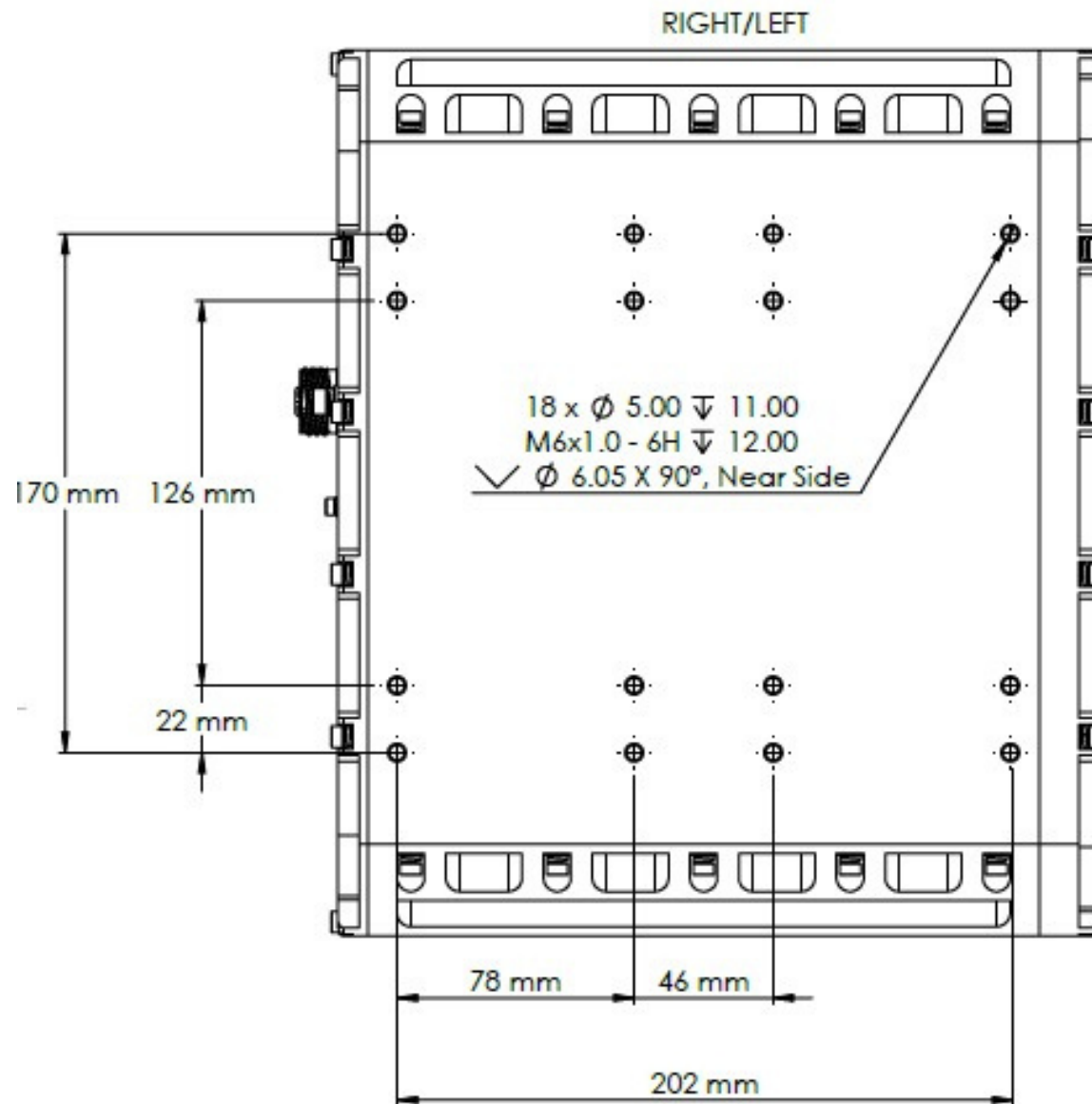
SYSTEM OVERVIEW

DIMENSIONS

LxWxH(mm) 290x190x264 mm, WEIGHT 9,000 gm



SYSTEM OVERVIEW



SYSTEM OVERVIEW

PART NUMBERING INDEX

#	P/N	D38999/23YE35PN	DESCRIPTION
1	MS51377-2		Mil. Std Stainless Steel connector
2	MS51607-1 MS20813-1 M5x10 Screw, Socket Head M3x6 Screw,		Nitrogen Valve Core Nitrogen MSValves Nitrogen Fitting
3	Socket Head MS3212-25		Ground screw
4			Security cable Screw
5			Nitrogen self locking screw military



PANEL PIN LAYOUT D38999/23YC35PN Stainless Steel Hermetic Connector

PIN#	DESCRIPTION
1	NC
2	NC
3	(+9 TO +36VDC) INPUT POWER
4	GND INPUT POWER
5	(+9 TO +36VDC) INPUT POWER
6	GND INPUT POWER
7	NC
8	NC
9	ETHERNET2 (1) TX+
10	ETHERNET2 (2) TX-
11	ETHERNET2 (3) RX+
12	ETHERNET2 (6) RX-
13	NC
14	NC
15	ETHERNET1 (1) TX+
16	ETHERNET1 (2) TX-
17	ETHERNET1 (3) RX+
18	ETHERNET1 (6) RX-
19	NC
20	NC
21	NC
22	NC