

FUZION-Z640 x32

Dual Sensor Fixed Camera

OVERVIEW

FUZION-Z is a mid-range dual sensor video reconnaissance system. It integrates a 640 x480 LWIR Fire Detection Sensor and a x32 FULLHD Day Sensor.

GENERAL SPECIFICATIONS

FULLHD Day Sensor,

x32 optical zoom

LWIR sensor

640x480

LWIR lens

from 7.5mm to 100mm

Power Input

12vdc

Weight

6kg

Operating Temp

-40°C~+80°C

Material

anodized aluminum

Ingress Protection Rate

ip67

interface

IP (Ethernet)

LWIR SENSOR

LWIR IMAGER

Uncooled VOX Microbolometer

RESOLUTION (PIXELS)

17μ / 640 X 480

LENS TYPE

Athermalized (focus Free)

SPECTRAL BAND

7.5 - 14 μm

SENSITIVITY (NEDT)

<50 mK

VIDEO OUTPUT

RS-170 (30Hz) / CCIR (25Hz), 1.0V p-p, 75ohm

LWIR LENSE

From 7.5mm to 100mm

NARROW FOV 100 MM

5.5° x 4.2°



DAY SENSOR

Video Imaging Device

1/2" 8"2.13MP Sony Progressing scan CMOS

TOTAL / EFFECTIVE PIXELS

FULL HD/1080P (1920 x 1080) + FULL D1 (720 x 480)

Synchronization

Internal

Video Compression

H.264 BP/MP/HP, H.265 MAIN PROFILE, MJPEG

Horizontal Resolution

>1000TVL (1920 x 1080P)

Min. Illumination

COLOR : 0.05LUX (F1.6,AGC On), IRC On

S/N Ratio

>52DB

Data Interfaces

40-Pin FFC (CVBS, Ethernet, SDHC, Alarm In/Out, RS 485, Linear Audio In/Out)

Lens

FOCAL LENGTH

F4.5~ 144mm (OPTICAL 32X)

ANGULAR FIELD OF VIEW (D*H*V)

WIDE: 67.8° x 59.8° x 40.5°

TELE: 2.77° x 2.34° x 1.48°

FOCUS CONTROL

AUTO / MANUAL / PRIOR/ BRIGHTNESS

ZOOM MOVEMENT SPEED

≤3Sec

GAIN CONTROL

AUTO/THRESHOLD VALUE CONTROL

WHITE BALANCE

AUTO, SCENES (FLUORESCENT LAMP, DAYLIGHT, FLASH) / MANUAL

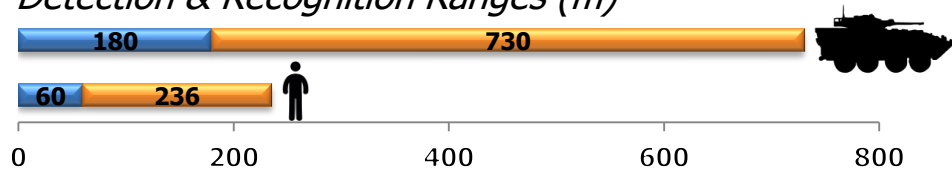
Protocols

IPv4, TCP/IP, UDP, HTTP, DHCP, RTP/RTCP/RTSP, FTP, UPnP, DDNS, NTP, IGMP, ICMP

LWIR Lens Ranges

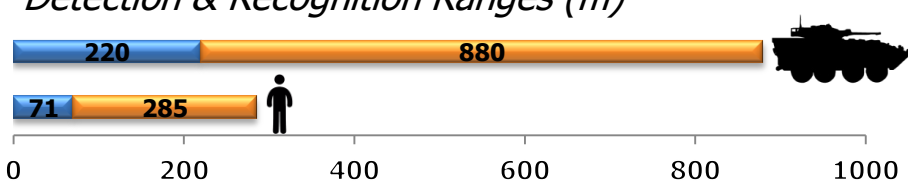
7.5mm Lens, 90° x 69 °

Detection & Recognition Ranges (m)



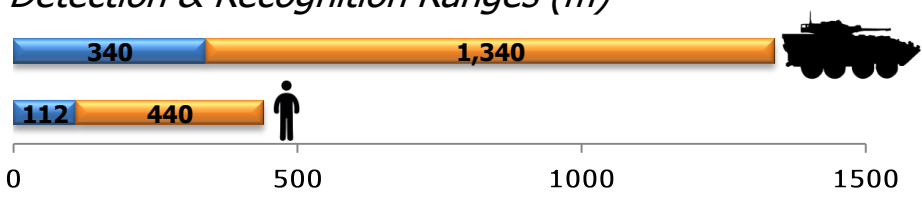
9mm Lens, 69° x 56°

Detection & Recognition Ranges (m)



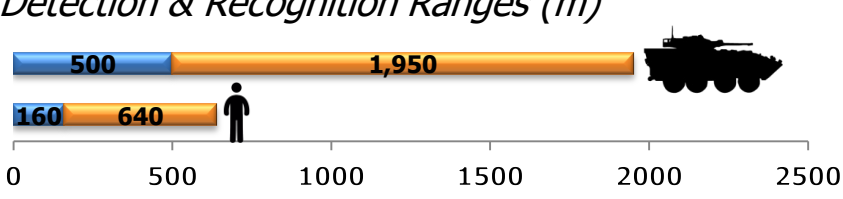
13mm Lens, 45° x 37°

Detection & Recognition Ranges (m)



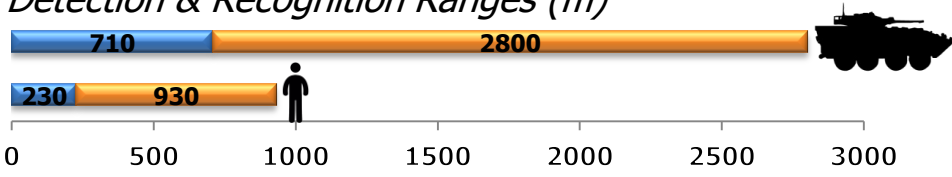
19mm Lens, 32° x 26°

Detection & Recognition Ranges (m)



25mm Lens, 25° x 20°

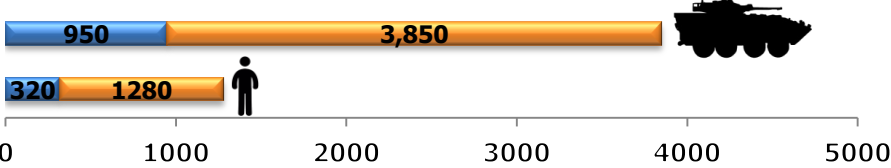
Detection & Recognition Ranges (m)



LWIR Lens Ranges

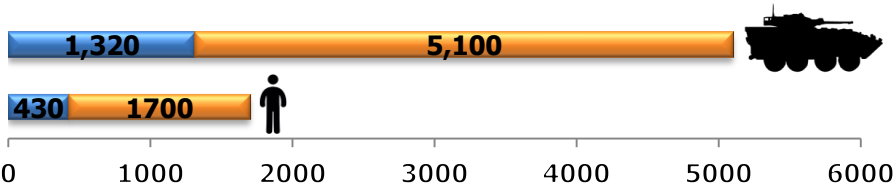
35mm Lens, 18° x 14°

Detection & Recognition Ranges (m)



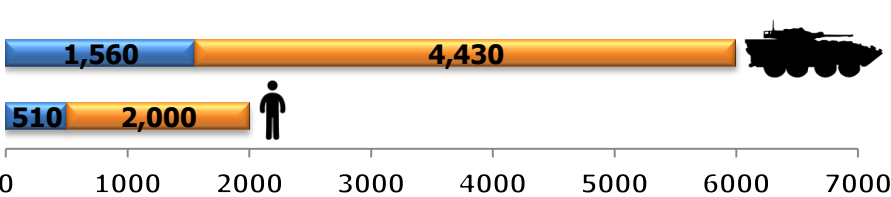
50mm Lens, 12.4° x 9.9°

Detection & Recognition Ranges (m)



60mm Lens, 10.4° x 8.3°

Detection & Recognition Ranges (m)



100mm Lens, 6.2° x 5.0°

Detection & Recognition Ranges (m)

