PHOTONIS
Digital Vision

VERSATILE
24/7 IMAGING

Portable long range
Observation system

SR750

Built in partnership with SYT Technologies

The SR750 is a long-range camera with powerful zoom, ergonomically designed for rapid deployment. This equipment performs in demanding environment as a stand-alone device or part of a continues surveillance network. It has a strong track record of accurately detect any threats, objects or vehicles at a greater distance, serving as a prime solution for observation and intelligence missions.

Key Features:

- High sensitivity sensor for day and night vision
- 23-750 mm focal length
- Zoom X33 in focus
- Wireless connection
- On batteries for up to +6 hours autonomous
- Robust, lightweight and waterproof

	SR750-Mono	SR750-Color
SENSOR		
Technology	Low light CMOS Nocturn camera	
Type	B&W or color CMOS	
Application	Day to night	
Wavelength	350-1100 nm	350-650 nm
Sensitivity	10 mLux	40 mLux
Resolution	1280 x 1024 pixels	
Pixel size	9,7 X 9,7 µm	
VIDEO		
Frame rate	25 Hz	
Video output	Analog & IP/SDI	
TELEMETRY		
Communication	Serial & IP	
OPTIC		
Optical zoom	x33	
Focal	23 mm - 750 mm	
HFOV	15 ° - 0.9 °	
Aperture	F4.5 - 48	
IRIS	Auto	
Focus	Manual focus	

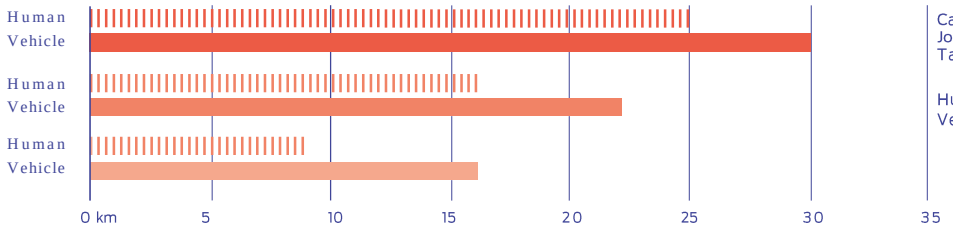
	SR750-Mono	SR750-Color
ELECTRICAL SPECIFICATIONS		
Input voltage	10 VDC-18 VDV	
Power consumption	Typical < 9W with remote control	
Buffer battery [1)]	Typical 10 minutes	
CONNECTORS		
Supply + Video + RS485 + Trigger	XLR or customs (see SYT)	
Digital video + Data	RJF TV or customs (see SYT)	
DIMENSIONS & WEIGHT		
Dimensions (cm)	40x13x13	
Weight (kg)	< 5.1	
ENVIRONMENTAL CONDITIONS		
Operating Temp.	-40 °C to + 45 °C	
Storage Temp.	-20 °C to +60 °C	
Sealing	IP66	
Shock	IK08 without porthole and optics	
FIXATION		
Mounting fixation	Specific dovetai [1]	
Accessory fixation	Picatinny rail (11 cm long)	

1) Buffer battery: the camera has an internal battery (10-minute shutdown adjustable on request) that allows the user to change the power source from cold to hot without stopping the camera and/or recording. The internal battery is automatically charged when an external power supply is used.

DRI: DETECTION RECOGNITION AND IDENTIFICATION

● Detection ● Recognition ● Identification

SR750-Mono



Calculating DRI using TRM4 model according to Johnson criteria @ 50% with visibility : 23 km / Target refl. 0,3 / Ground refl. 0,15 / Att 0,1 km^{-1}

Human size 1.8 x 0.7 m
Vehicle size : 2.3 x 2.3 m

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