



FUSION⁺SIGHT^{CS}



Night & day vision enhancer for Civilian Security

- All-in-one digital device for 24/7 detection, recognition & identification up to 3km
- 3 observation modes: thermal, visible low light, smart fusion
- Accurate designation through an Inertial Measuring Unit (IMU) & GPS
- HD video output & image recording



FUSIONSIGHT® CS

Watch to protect

FusionSight®CS is a **fully digital Night & Day Vision device** based on colour low light and thermal cameras, to use separately or in smart fusion to provide an enhanced vision in any light conditions.

Applications

Particularly adapted to the protection of assets, this reliable handled device is efficient for observation tasks facing incoming danger.

Drastically **enhancing the detection of threats and targets of interest**, FusionSight®CS is a key device for private security during investigation missions for quick or long-term surveillance tasks. It also provides substantial support even under limited visibility conditions for **search & rescue** of missing persons.

Lightweight and designed for users, FusionSight®CS is especially suited for long-term operations thanks to its live streaming option on multiple interfaces. Its three viewing modes also include a snapshot feature for evidence gathering.

Patented smart fusion of two sensors

COLOUR LOW LIGHT

A state-of-the-art colour imaging sensor provides a first image in extreme low light conditions (~10 mlx) without additional illumination.

POWERED BY **PHOTONIS**



THERMAL

A high-resolution thermal sensor detects people in any night conditions.



SMART FUSION

The embedded real-time image processing automatically selects the key information from each sensor to enhance field vision in night and day conditions.



		DAY	NIGHT
DETECTION	Vehicle*	2950m	1480m
	Person**	1611m	806m
RECOGNITION	Vehicle*	990m	490m
	Person**	537m	269m
IDENTIFICATION	Vehicle*	490m	245m
	Person**	269m	134m

■ DAY ■ NIGHT

*2,3m x 2,3m
**0,5m x 1,75m

Optronics Range

Discover the other products of Bertin Instruments



Night & day 360° Land Situational Awareness system



Technical features

THERMAL SENSOR

Uncooled (8-12µm)
640 x 480 @17µm

VISIBLE SENSOR

CMOS low light visible colour
1280 x 1024p

DISPLAY

OLED Full HD
1280 x 1024

FIELD OF VIEW

30°

AUTONOMY

7 hours

WEIGHT (excl. battery)

990 g

EMBEDDED SENSORS

compass
GPS

EMBEDDED FUNCTIONS

image recording
polarity inversion
x8 digital zoom

VIDEO OUTPUT

9Hz HD colour