SMART BOX

Energy storage and conversation system powered by street lamps or solar panels
Characterization with **AXIS P3268-LVE**

STREET LAMP

CYCLE

1 AXIS + 1 CPE / ROUTER

Components
1 X AXIS P3268-LVE
1 x SMARTBOX L75C
1 x TW-DCDC48
1 X TW-SB5-POE
1 X CPE / ROUTER 4G

Energy values	
Daily consumption Wh	521
hours of autonomy	36
Balancing Wh /day	+445

AXIS COMMUNICATIONS

STREET LAMP

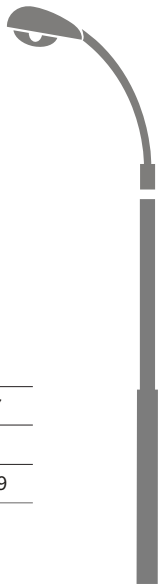
CYCLE

2 AXIS + 1 CPE / ROUTER

Components
2 X AXIS P3268-LVE
1 x SMARTBOX L75C
1 x TW-DCDC48
1 X TW-SB5-POE
1 X CPE / ROUTER 4G

Energy Values	
Daily consumption Wh	697
hours of autonomy	27
Balancing Wh /day	+349

AXIS COMMUNICATIONS



Values calculated on the basis of a daily energy availability from the street lamp of 8 hours

SOLAR

SOLAR

1 AXIS + 1 CPE / ROUTER

Components
1 X AXIS P3268-LVE
1 x SMARTBOX L75S
1 x TW-DCDC48
1 X TW-SB5-POE
1 X CPE / ROUTER 4G
1 x SOLAR 375
1 x TW-ST-T2

Energy values	
Daily consumption Wh	549
hours of autonomy	34
Balancing Wh /day	+ 358

AXIS COMMUNICATIONS

SOLAR

SOLAR

2 AXIS + 1 CPE / ROUTER

Components
2 X AXIS P3268-LVE
1 x SMARTBOX L180S
1 x TW-DCDC48-B
1 X TW-SB5-POE
1 X CPE / ROUTER 4G
1 x SOLAR 375
1 x TW-ST-T2

Energy values	
Daily consumption Wh	753
hours of autonomy	50
Balancing Wh /day	+ 154

AXIS COMMUNICATIONS

Values calculated on the basis of an average Italian national yield of solar panels. The performance of the panels varies according to the country of installation. For a personalized calculation, ask support@townet.it

included in each Smartbox:

Environmental Sensor:

Particulate metter PM XX

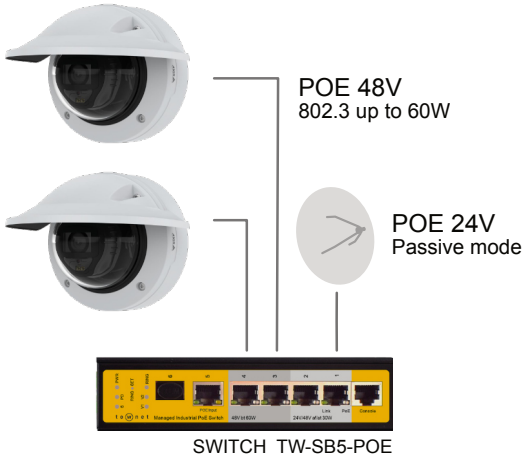
Atmosphere Pressure

Temperature

Humidity

Cloud Control Software:

SMARTBOX DATA MANAGER



To properly power AXIS cameras, connect them to any port on the managed switch**TW-SB5-POE**

AXIS P3268-LVE	
Night Consumption max Wh (IR ON)	10
Consumption by day max Wh (IR OFF)	6
POE Volt	48

REFERENCE TABLE

AC Cycle	Cams	Consumption	Autonomy	Balance
SmartBox L75C	1	521 Wh	36h	+445 Wh
SmartBox L75C	2	697 Wh	27h	+349 Wh
SmartBox L75C	3	873 Wh	21h	+253 Wh
SmartBox L180C	1	521 Wh	72h	+1222 Wh
SmartBox L180C	2	697 Wh	54h	+1126 Wh
SmartBox L180C	3	873 Wh	43h	+1030 Wh

Solar	Cams	Consumption	Autonomy	Panels	Balance
SmartBox L75S	1	549 Wh	34h	1 x 375W	+358 Wh
SmartBox L75S	2	753 Wh	25h	1 x 375W	+154 Wh
SmartBox L75S	3	753 Wh	25h	2 x 375W	+1062 Wh
SmartBox L180S	1	549 Wh	68h	1 x 375W	+358 Wh
SmartBox L180S	2	753 Wh	50h	1 x 375W	+154 Wh
SmartBox L180S	3	957 Wh	39h	2 x 375W	+858 Wh

Consumption including: IP Cameras, Industrial Switch Managed and Router Wireless or 4G/LTE

Smartbox uses only lithium batteries to ensure maximum energy efficiency, reduced dimensions and weight and duration over time.

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