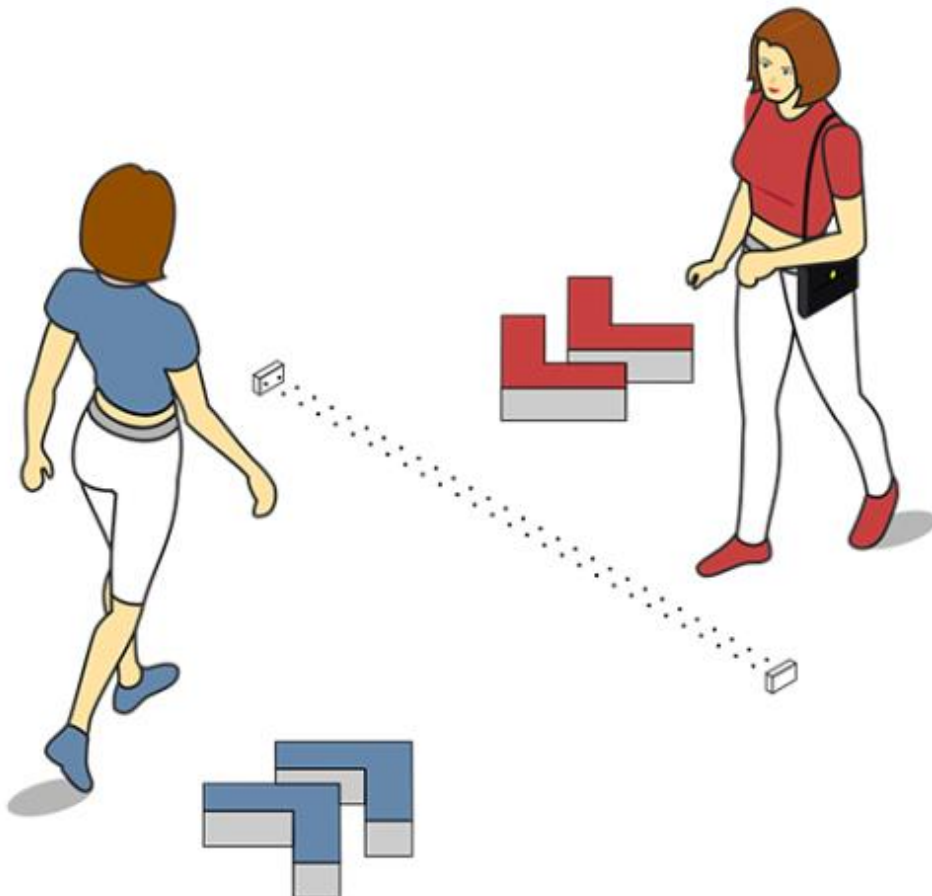
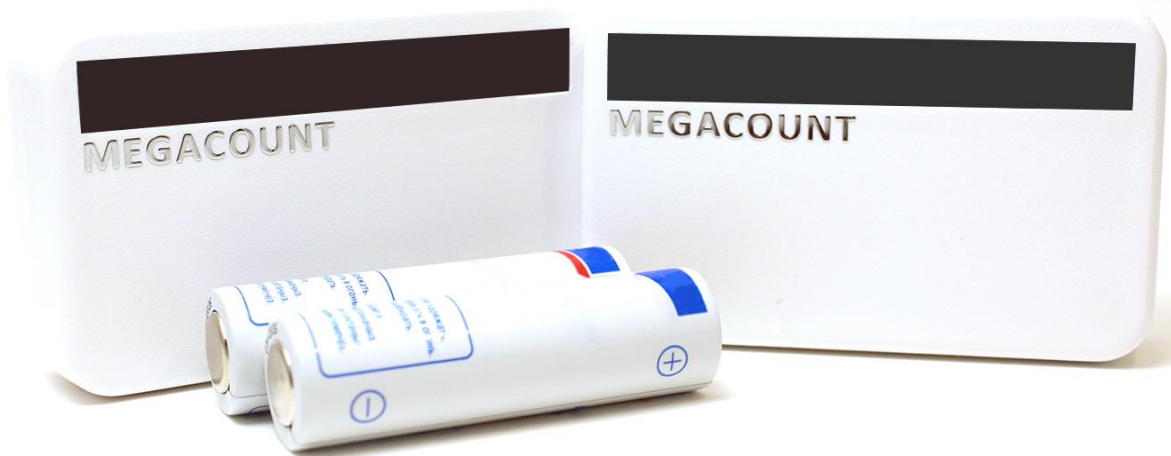
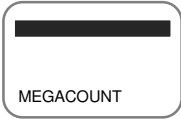







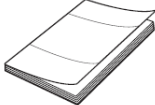


OMEGA-USB

PEOPLE COUNTER



DELIVERY KIT

Depiction	Element Name	Quantity	Description
	Counters*	1 pair	Footfall counters, one pair: block T and block R
	USB modem	1	USB modem for collecting footfall data
	L-brackets	1 pair	Brackets for fixing the counters at the entrance
	Batteries	4	AA 1.5 V batteries: 2 per each counter block
	Adhesive pads, type 1	2	Pads for mounting the counter on a surface
	Adhesive pads, type 2	2	Pads for mounting the counter on a surface
	Screws	4	Screws for mounting the counter on a surface
	USB cable	1	USB cable for data transfer to the modem
	Quick Guide	1	Online manual



* There is one pair of counters in the basic kit. Additional counter pairs can be supplied for connecting to the USB modem through the radio channel
Up to 100 counters in the vicinity can be connected to one USB modem

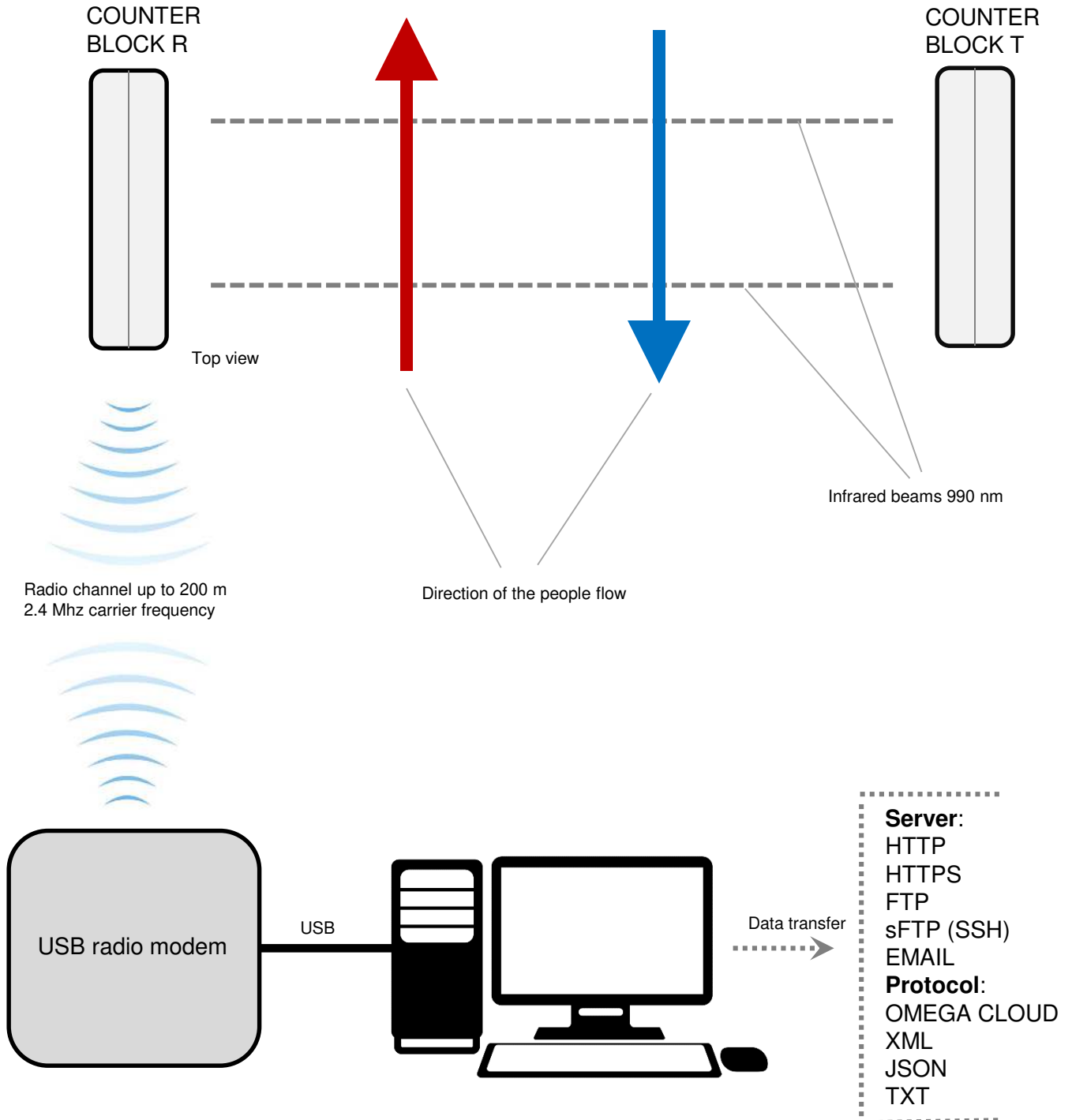


** Use only AA 1.5 V batteries. Polarity must be correct when changing batteries

HOW IT WORKS

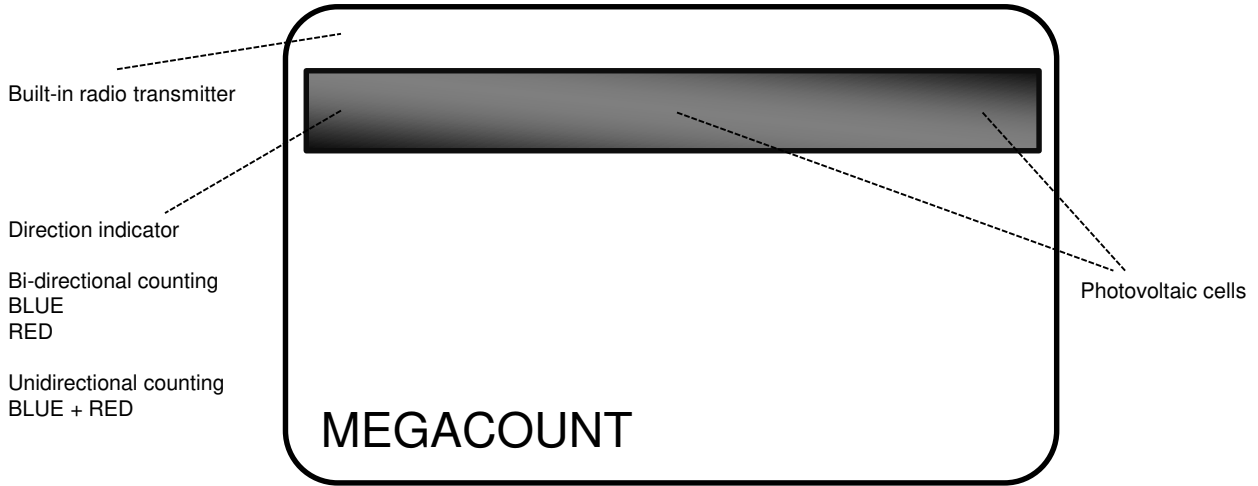
Operation of horizontal infrared OMEGA people counters is based on the principle of crossing two infrared beams and determining the direction of movement for both In and Out (bi-directional)

The main counting elements are two blocks — block T and block R: when directed at each other, they create two beams between them. Each time the beams are crossed, block R detects the fact of crossing and its direction, stores that data and later transfers it to the USB modem as pictured below



GENERAL DESCRIPTION OF A PAIR OF COUNTERS

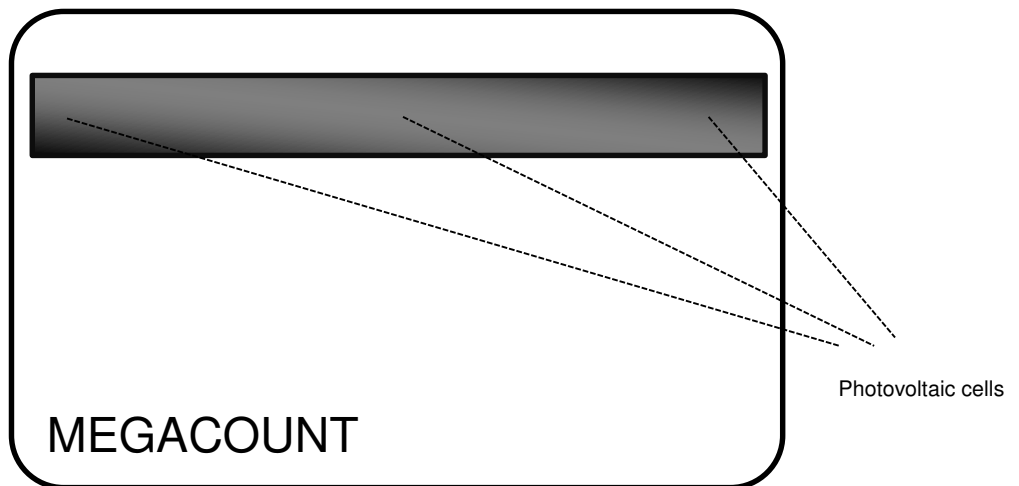
COUNTER - BLOCK R



The main block R contains a beam-crossing analytics microprocessor and a radio-transmitting element. The microprocessor stores all events of beams crossing and transfers them to the USB-modem via a radio channel with 2.4 MHz carrier frequency. Data that has not been transferred is stored on the counter for 14 days. Each R-block must be connected with the USB-modem — see the manual. Infrared band 990 nm

Dimensions: 42 mm – height, 68 mm – length, 18 mm – width

COUNTER - BLOCK T



The supporting T-block enables infrared lighting and contains a microprocessor and a chain of photovoltaic cells that are needed for creating beams and for lighting objects. T-block is not connected to the R-block and can be used by any R-block without being connected to it. Infrared band 990 nm

Dimensions: 42 mm – height, 68 mm – length, 18 mm – width

COUNTER CHARACTERISTICS

- **Protection from dust/water, IP 60**

The device is intended to be installed inside where water cannot reach it. The sensor is inside a dust-proof casing with IP 60 protection:

- 6 – No ingress of dust; complete protection against contact
- 0 – No protection against water

- **Dimensions**

People counter: 42x68x18 mm

Data-collecting USB-modem: 66x66x28 mm

- **Data export, server**

OMEGA CLOUD

FTP

SFTP (SSH File Transfer Protocol)

HTTP

HTTPS

EMAIL

- **Data export, protocol**

OMEGA

XML

JSON

TXT

- **Modem interface**

USB through operating systems WINDOWS, LINUX, iOS

- **Power supply**

AA 1.5 V batteries: 2 per each counter block

Battery change is carried out by the user

Power consumption 60 μ A

- **Delivery kit**

People counters - 2 blocks, R-T

USB modem - 1 pc

Adhesive pads - 4 pcs

L-brackets - 2 pcs

Screws - 4 pcs

USB cable - 1 pc

AA 1.5 V batteries - 4 pcs

- **Operating time on a single battery set**

Up to 1 year on one set of batteries, depending on device settings

- **Distance between the modem and the counters. Radio channel**

Counters can be up to 200m away from the modem, depending on radio broadcast and obstacles

SOFTWARE AND ANALYTICS

OMEGA-USB counters can push data to (S)FTP and HTTP(S) servers, email and OMEGA web-analytics solution by MegaCount.

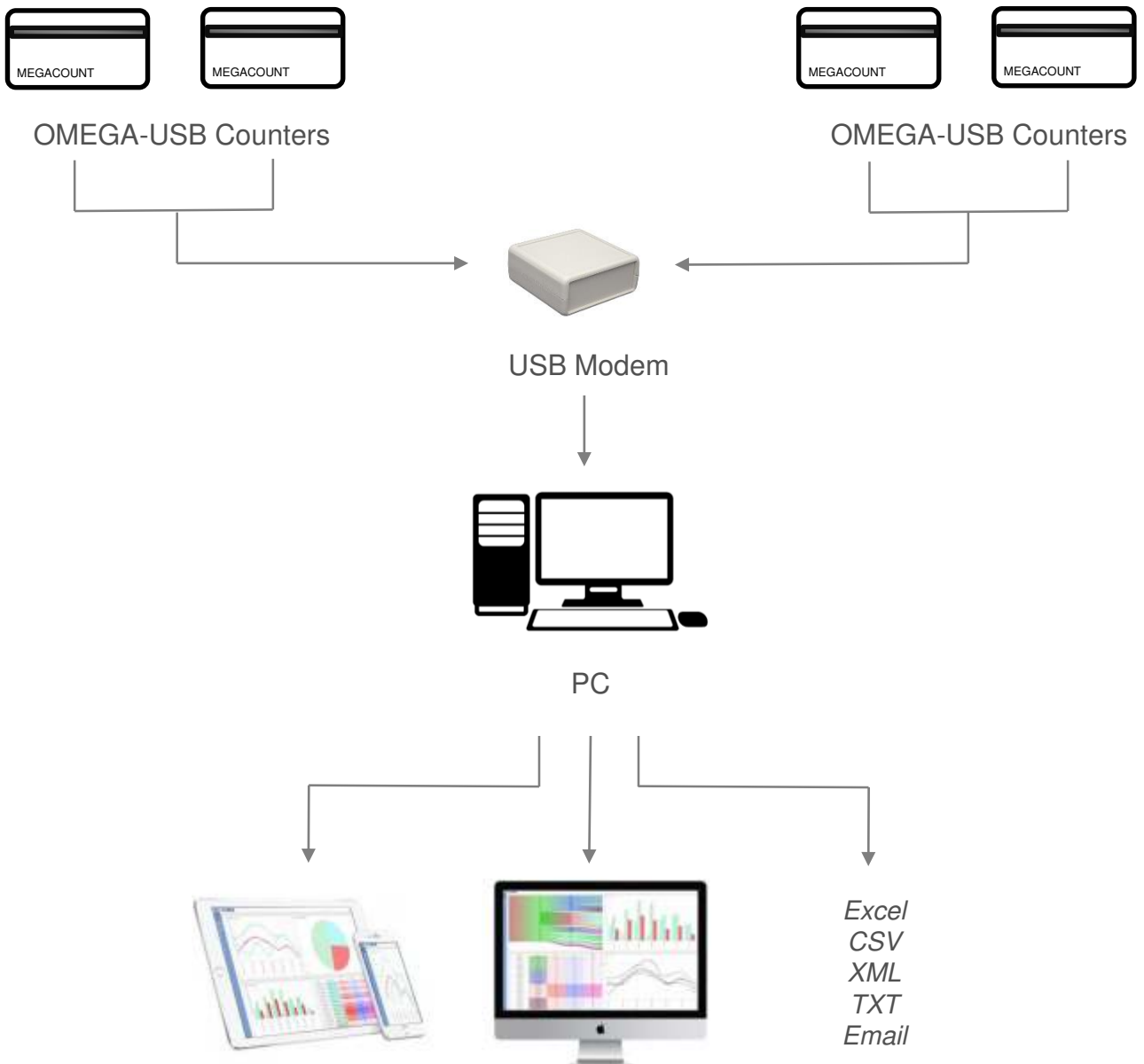
OMEGA System is a powerful tool for in-store analytics that processes data and provides various reports in the form of bar graphs, pie charts, diagrams, tables, etc.

Email notifications

Monitoring all the sensors in the net

Access rights differentiation

Easy access to analytical reports



MOUNTING RECOMMENDATIONS

After the R-block is connected to the USB-modem and the entrance width (distance between blocks) is set on the T-block, the counters can be mounted at the entrance with brackets or adhesive pads. Check detection after mounting



Main recommendation when mounting counters (blocks) – fix the counters so that the R-block is facing the USB-modem

Installation height

Optimal installation height is so that the counters are on shoulder level of a person with the height that is slightly lower than average. It should be as displayed on the picture below



After the counters are fixed, be sure to walk by them a few times to check detection: when someone enters, the R-block will be blinking with blue or red. Walk 20-30 times observing the indicators and making sure the counters work properly



When mounting the counters, mind the door handles: they should not be in the counters' operating field



When mounting the counters, mind the daylight: it is not recommended to install counters under direct sunlight at any time of the day. It is recommended to install the counters further inside if possible

MEGACOUNT

Use as intended indoors under normal conditions
Service life: 5 years
Warranty: 1 year

EAC

MANUFACTURER

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