

## VOCORD Impulse Infra-red Illuminator



### Description

VOCORD Impulse Infrared Illuminator generates a directed beam of light in the invisible infrared range of the electromagnetic spectrum at a wavelength of 850 nm. The Illuminator works in sync with the video camera and is activated at the moment when the camera needs to take a photograph, which allows for a multifold reduction in power consumption.

The Illuminator design is resistant to shocks and vibrations and allows for outdoor use in a wide range of temperatures. Class IP67 ingress protection.

VOCORD Illuminator is designed to operate as part of the automatic license plate recognition and traffic enforcement system.

### Installation

In installation, the Illuminator must be securely attached to a solid support (a load-bearing wall, lighting pole, etc.). VOCORD Illuminator mounting to the support is carried out by means of a bracket. The use of Videotec WBJA or analogous brackets adjustable in two planes is recommended.

## Technical specifications

General characteristics	
Radiation source	Infrared LEDs
Maximum radiation intensity at wavelength, nm	850
Radiation mode	Impulse
Management of impulse form and frequency via external basic frequency generator, V	Amplitude from 2 to 12
Impulse length, ms	from 0,3 to 3,0
Impulse repetition rate (determined by the external setpoint pulse), Hz, no more than	50
Power supply	
AC/DC Power supply voltage, V	from 20 to 30
Operation, transportation and storage conditions	
Environmental conditions	
- temperature during operation and transportation, °C	-50...+55
- temperature during storage, °C	from -60 to + 60
- humidity during storage	up to 60%
- pressure during storage	from 84,0 to 106,7 kPa (from 630 to 800 mm Hg.)
Weight and dimension parameters	
Dimensions W×D×H (with deflector and bracket), mm	269×137×171
Weight, kg, no more than	2,3
Reliability indicators	
Service life of product and warehouse storage life of product in manufacturers packaging, years	5

## Technical specifications of the models

Parameter	IP30B07	IP30B15	IP30B25
Lighting angle, degrees	7	15	25
Average light intensity, W/m <sup>2</sup> :			
- 10 m distance	15,7	7,0	2,5
- 20 m distance	4,0	1,8	1,1
- 30 m distance	1,7	0,6	0,6
Max output (impulse mode), no less than, W	30	30	30
Power consumption, W	30	30	30

**Do you want to know more?**

Partnership: [partnership@vocord.com](mailto:partnership@vocord.com)  
 Sales department: [sales@vocord.com](mailto:sales@vocord.com)  
 PR department: [pr@vocord.com](mailto:pr@vocord.com)

Phone: +7 (495) 787-26-26  
 Moscow, Russia  
[www.vocord.com](http://www.vocord.com)