IR
INFRARED ILLUMINATORS
REVISION 0945

MAIN FEATURES

Indoor/outdoor installations

Stainless steel screws

Black epoxy powder painted

Weatherproof standard IP66 (IR50) and IP65 (IR300)

DESCRIPTION

The infrared illuminators from VIDEOTEC allow the generation of high quality images during night surveillance to TVCC cameras sensitive to infrared rays.

IR infrared illuminators are made from die-cast aluminium; painted with epoxypolyester; they ensure high protection and environmental adaptability.

The infrared beam has a wavelength of 850nm. IR illuminators are assembled with stainless steel screws and "O" rings which guarantee a IP66 weatherproof standard (IP65 for IR300).

Lamps with different light beams (spot, flood, wide flood) are available.

They're recommended for military surveillance, perimeter surveillance, airports and prisons.

IR50

IR300

OIRCR

IRPS12

IRBA

OSUPPIR

AVAILABLE MODELS

Illuminators	
IR50SP11	Outdoor IR illuminator spot
IR50FL11	Outdoor IR illuminator flood
IR50WFL11	Outdoor IR illuminator wideflood
IR50FL2	Outdoor IR illuminator flood
IR300SP2	Outdoor IR illuminator spot
IR300FL2	Outdoor IR illuminator flood
IR300WFL2	Outdoor IR illuminator wideflood
Accessories	
IRPS12	Power supply IN 230Vac, OUT 12Vac in weatherproof box for IR50
IRBA	Bracket for mounting two infrared illuminators IR50 on HEG housing
OIRCR	Night switch for infrared illuminator 230Vac
OSUPPIR	Bracket for mounting of one infrared IR50/IRBD on VERSO, VERSO COMPACT, HEG, HOV housings

INFRARED BEAM/DISTANCE

	Vac	Horizontal beam	Vertical beam	Distance (m / ft) *
IR50SP11	12	10°	10°	20 / 65.6
IR50FL11	12	40°	40°	16 / 52.4
IR50WFL11	12	60°	60°	12 / 39.3
IR50FL2	230	40°	40°	16 / 52.4
IR300SP2	230	10°	8°	65 / 213.2
IR300FL2	230	23°	10°	50 / 164
IR300WFL2	230	40°	20°	35 / 114.8

* Typical distance of the subject to illuminate; it depends of the reflection coefficient of the illuminated scene, camera sensitivity at IR wavelength, lens combination, etc.

TECHNICAL DATA

GENERAL

Die-cast aluminium body

Epoxypolyester powder painting, black colour

Stainless steel screws

Infrared beam wavelength: 850nm

Supplied with instruction manual and 1.5m (4.9ft) of pre-wired cable

MECHANICAL

1 PG9 cable gland

Dimensions (WxHxL)

IR50	108x124.5x146mm (4.2x4.9x5.7in)
IR300	213x235x262mm (8.3x9.2x10.3in)
IRPS12	152x159x146mm (5.9x6.3x5.7in)

ELECTRICAL

Power

- 12Vdc/Vac, consumption 50W (IR50)
- 230Vac, consumption 50W (IR50)
- 230Vac, consumption 300W (IR300)

Lamp duration

IR50	2000 hours
IR300	3000 hours

ENVIRONMENT

Indoor / Outdoor

Operating temperature: -20°C / +60°C (-4°F / +140°F)

CERTIFICATIONS

CE EN60065

IP66 (IR50)

IP65 (IR300)

IP56 (IRPS12)

ACCESSORIES

IRPS12	Power supply 230Vac/12Vac in weatherproof box for IR50
OIRCR	Night switch for infrared illuminators 230Vac, capacity 2VA

BRACKETS AND ADAPTORS

IRBA	Bracket for mounting 2 infrared illuminators on HEG housing (not compatible with double filter housings)
OSUPPIR	Bracket for mounting 1xIR50 or 1xIRBD infrared illuminator for housings HPV42, HPV36, HOV, HEG (also for versions with blower system)

SPARE PARTS

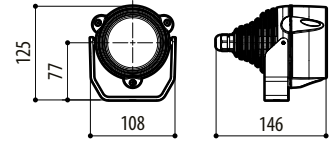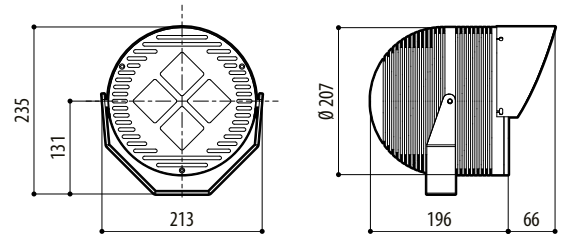|	
OIR12FA	Front panel IR50 complete with filter
OIR220	Complete wiring for IR300
OIR300FA	Front panel IR300 complete with filters

VERSO + IR50

HEG + IRBA + 2 IR50

PACKAGE

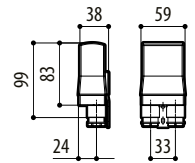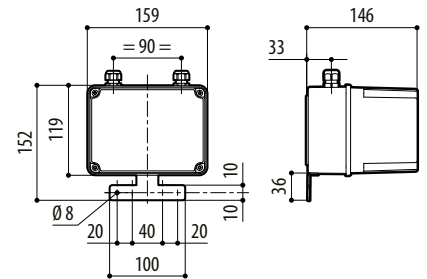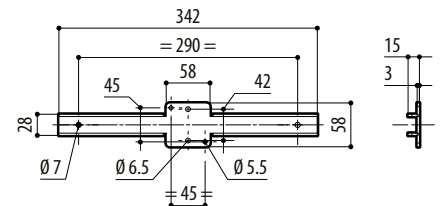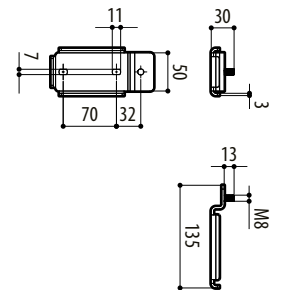| Code	Unit weight		Package weight		Package dimensions (WxHxL)		Master carton
	kg	lb	kg	lb	cm	in	unit
IR50	0.9	2.0	1.3	2.9	14.5x15.0x27.0	5.7x5.9x10.6	15
IR300	5.3	11.7	6.2	13.7	24.0x32.0x24.5	9.4x12.6x9.6	5
IRPS12	2.0	4.4	2.1	4.6	19.0x19.0x19.0	7.4x7.4x7.4	12
IRBA	0.6	1.3	0.7	1.5	12.0x14.0x34.0	4.7x5.5x13.3	16
OSUPPIR	-	-	-	-	-	-	-
OIRCR	0.2	0.4	0.2	0.4	6.3x4.4x11.7	2.4x1.7x4.6	-

IR

IR50

IR300

OIRCR

IRPS12

IRBA

OSUPPIR

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