

OPM 3020 CAM DN

PASSIVE INFRARED AND MICROWAVE COMBINATION DETECTOR WITH CAMERA

OPM-3020 CAM DN is high quality colour/mono camera with varifocal lens integrated with a highly reliable passive infrared and microwave combination detector.

The matched camera and detector fields of view ensure that all detector activation is verified and has been specially designed for use in Remote video and CCTV applications.

In addition to using passive infrared (PIR) and microwave technology as in conventional combination detectors, REDWAVE® advances further with the world's first A.M.R.L. (Adjustable Microwave Range Limiter) technology, which lets users adjust the detection distance, and Dual Quad Zone Logic PIR, which uses two PIR detectors to increase detection density and eliminate undetectable areas. With REDWAVE®, Optex offers a new solution to outdoor false alarms.

If your site requires the installation of multiple Redwave Cam units mounted in close proximity to each other, then care should be taken to select units with different microwave frequencies. This will eliminate the possibility of microwave crosstalk which could cause false activations.



FEATURES

- BS8418 compliant
- Colour/Mono Camera
- Matched Field of view
- Colour/Mono 3.8 – 9.5mm varifocal lens colour 0.5 lux 510TVL/Mono 0.03 lux 480TVL
- A.M.R.L. – Adjustable Microwave Range Limiter Technology greatly reduces the potential for false or missed alarms
- Repetitive Movement Discrimination automatically adjusts the microwave's sensitivity to its surrounding environment.
- Small Animal Immunity Function allows the detector to discriminate between the sizes of moving objects, virtually eliminating problems caused by small animals.
- IP55 rating
- Simple 3-step walk test

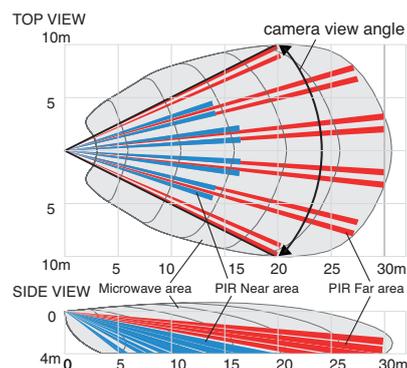
ACCESSORIES

- Pole mount bracket - LRPSCA
- Audio walk tester - OPM-WT

OPTIONS

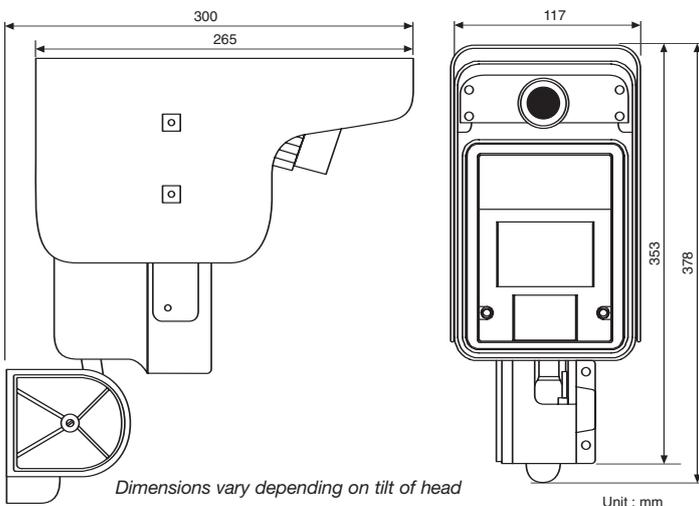
- OPM-3020 CAM DN Ch A
- OPM-3020 CAM DN Ch B
- OPM-3020 CAM DN Ch C

COVERAGE



OPM 3020 CAM DN
Coverage: 30 x 20m

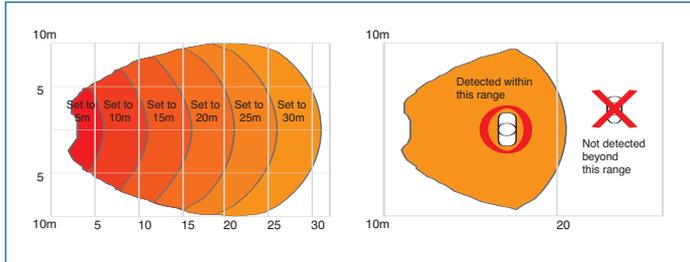
DIMENSIONS



Unit : mm

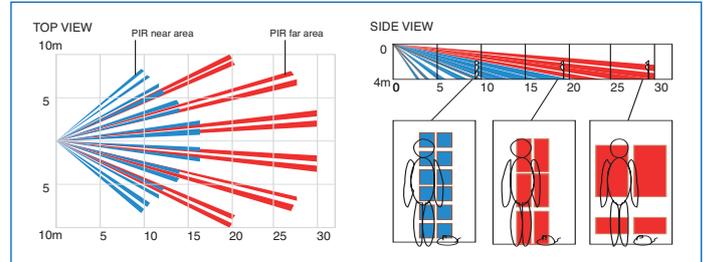
A.M.R.L. TECHNOLOGY

With a conventional outdoor combination detector, microwave transmission distances are not easily adjusted, resulting in many false alarms being triggered from outside the detection area. Incorporating the world's first A.M.R.L. technology, REDWAVE lets you choose the ideal detection distance with a dial setting that offers seven 5 m intervals between 0 m and 30 m. By optimising the detection distance for each application, false alarms are greatly reduced.



DUAL QUAD ZONE LOGIC PIR

REDWAVE offers unparalleled reliability with two, vertically configured PIR detectors that create two different, highly dense detection areas — a near and far area. This dual coverage essentially eliminates dead detection spots, preventing the possibility of missed alarms. What's more, the sensitivity of each area can be adjusted separately using the PIR Sensitivity Selector Switch. Each PIR utilises Quad Zone Logic, providing multi-segmented detection zones throughout the detection area and an alarm signal based on the cumulative IR energy of each zone. This greatly reduces false alarms, particularly those caused by sudden small temperature changes from light reflection or small animals.



Specifications

Model	OPM-3020 CAM DN
-------	------------------------

• General

Detection method	Passive infrared and microwave
Coverage	30 x 20 m wide
Mounting height	2.4 to 4.0 m
LED indicator	Green: PIR detection / Yellow: MW detection / RED: PIR and MW detection
Alarm period	Approx. 2 sec.
Alarm output	N.C. 28 VDC, 0.2 A max. / N.O. 28 VDC, 0.2 A max.
Tamper switch	N.C. / 28 VDC, 0.1 A max.
Warm-up period	Approx. 60 sec.
Power input	10.8-13.2 VDC
Current draw	370Ma Max (at 12VDC, using OPM-WT)
Weight	2.4 kg
Operating temperature	-25°C to +60°C
Environmental humidity	95% max.
Microwave frequency	10.587 GHz (E version) / 9.900 GHz (F version)
IP rating	IP55

• Camera

Image Sensor	1/3" Color CCD
Effective pixels (H x V)	752H x 582V (440K pixels)
lens f . F	3.8mm - 9.5mm Vari-Focal / DC Auto Iris Lens F1.2
Horizontal resolution	Color 480TV line / Mono 510TV line
Minimum illumination	Color 0.5 lx / B/W 0.03 lx
Angle of View	Horizontal 57°~64° / Vertical 44°~50°
VIDEO OUTPUT	1Vp-p/75Ω PAL/CCIR

This unit is designed to provide a video image for the purposes of security and observation monitoring. It is NOT a burglar/theft prevention device and we cannot accept responsibility for any losses, should they occur.

Due to continued improvements, specifications are liable to change without notice
This Product conforms the EMC directive 89/336EEC

OPTEX (EUROPE) LTD	Platinum House, 32B, Clivemont Road, Cordwallis Park, Maidenhead, Berkshire. SL6 7BZ Tele: +44 (0) 1628 631000 – Fax: +44 (0) 1628 636311 Web: www.optex-europe.com - e-mail sales@optex-europe.com
OPTEX INCORPORATED	13661 Benson Ave., Bldg.C. Chino, CA91710 USA. Tel: +1-909-993-5770 – Fax: +1-909-628-5560
OPTEX CO., LTD	5-8-12 Ogoto Otsu, Shiaga 520-0101 Japan. Tel: +81 77 579 8030 – Fax: +81 77 579 7190 Web: www.optex.co.jp/e
OPTEX SECURITY SAS	475 Rue Monique et Mario Piani 69480 Amberieux d'Azergues France. Tel: +33-437-55-50-50 – Fax: +33-437-55-50-59
OPTEX SECURITY Sp. Z.o.o.	Ul Błtwy warszawskiej 1920r. 7B, 02-366 Warszawa, Poland. Tele: +48 2259 80654 – Fax: +48 2259 80661