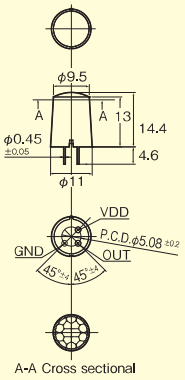
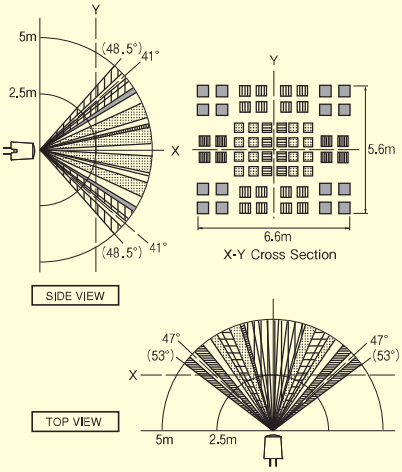
Lenses for the EKMB/EKMC series

Standard detection type

CAD data

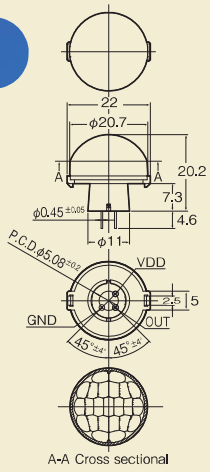


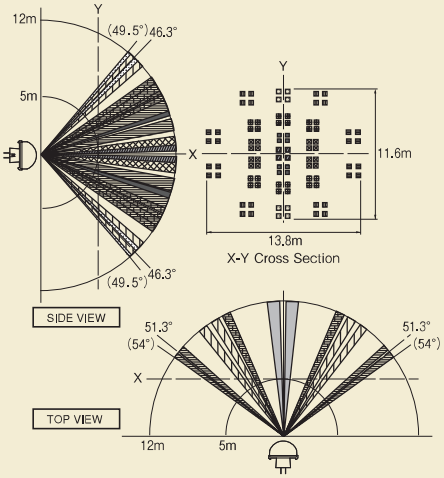


Detection distance	Max. 5m
Field of view	94°×82°
Detection zone	64 beams
Detection condition	·The temperature difference between the target and the surroundings must be higher than 4℃. ·Movement speed: 1.0m/s ·Target concept: Human body with an approx. size of 700×250mm ·Target moving direction: Crossing the detection beam.

Long distance detection type

CAD data

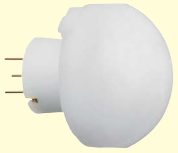


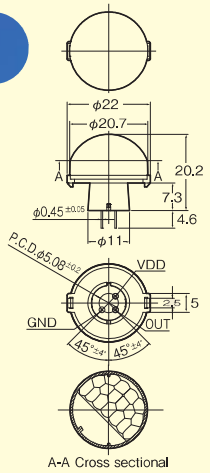


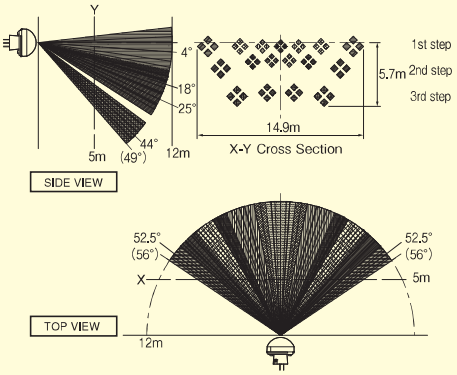
Detection distance	Max. 12m
Field of view	102°×92°
Detection zone	92 beams
Detection condition	·The temperature difference between the target and the surroundings must be higher than 4℃. ·Movement speed: 1.0m/s ·Target concept: Human body with an approx. size of 700×250mm ·Target moving direction: Crossing the detection beam.

Wall installation type

CAD data

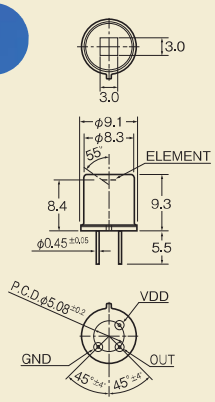




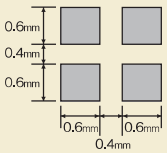


Detection distance	1st step lens	Max. 12m
	2nd step lens	Max. 6m
	3rd step lens	Max. 3m
Field of view	40°×105°	
Detection zone	68 beams	
Detection condition	·The temperature difference between the target and the surroundings must be higher than 4℃. ·Movement speed: 1.0m/s ·Target concept: Human body with an approx. size of 700×250mm ·Target moving direction: Crossing the detection beam.	

Lensless type



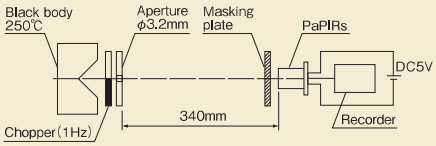
■PIR element



Detection sensitivity	Average: 5.6μW/cm²
	Maximum: 7.6μW/cm²

※Detection sensitivity is measured by following system

■Test setup



CAD data CAD data can be downloaded from the ((PaPIRs)) PaPIRs WEB site. Panasonic PaPIRs Search

Please refer to the formal specification for the dimension, and the tolerance ※Please note that the horizontal and vertical field of view depends on the position of the metal tab on which the lens is mounted.

Horizontally wide detection type

Current consumption 1/2/6/170µA | Digital output

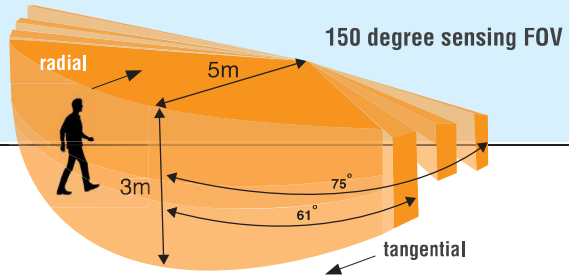
› World's first PIR with "Approach Sensing" technology

Panasonic presents the world's first PIR sensor in the shape of a hammerhead with a special optic, which is more sensitive to radial motion.

NEW

Recommended applications

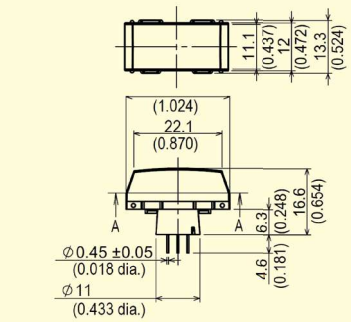
Wall switches, thermostats, IP cameras, wake-up switch for displays, intrusion alarm sensors (e.g. for windows and doors), door intercom systems, entrance and garden lamps, automatic door systems, vending machines

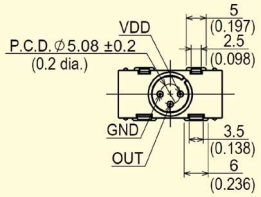


		Horizontally wide detection type			
Current consumption in standby mode (1µA type: in sleep mode)		1µA	2µA	6µA	170µA
Output		Digital (open collector)			
Lens color	White	EKMB1105111	EKMB1205111	EKMB1305111K	EKMC1605111
	Black	EKMB1105112	EKMB1205112	EKMB1305112K	EKMC1605112
	Pearl white	EKMB1105113	EKMB1205113	EKMB1305113K	EKMC1605113

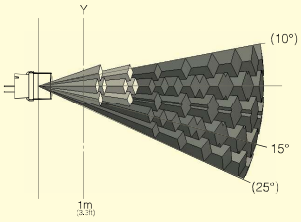
Dimension (mm)

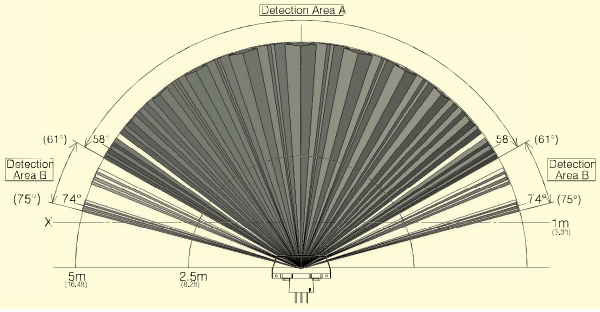
CAD data by request





Detection zone





Detection characteristics

Detection distance	Max. 5m*	
Field of view	Area A	122° x 35°
	Area B	150° x 20°
Detection zone	Area A	88
	Area B	16
Detection condition ▲	Area A	• The temperature difference between the target and the surroundings must be higher than 4°C. • Movement speed: 1m/s • Target concept: human head with an approx. size of 700x250mm • Target moving direction: crossing 2 detection zones
	Area B	• The temperature difference between the target and the surroundings must be higher than 8°C. • Movement speed: 1m/s • Target concept: human body with an approx. size of 700x250mm • Target moving direction: crossing 2 detection zones

* Under specified detection conditions

▲ Please refer to "Cautions for use" (page 18) and "Basic principles"(page 18, point 5), for more details

Please contact your local sales representative for detailed specifications.

Standard and slight motion detection type

Current consumption 1/2/6/170µA | Digital output

›2 functions in 1 lens

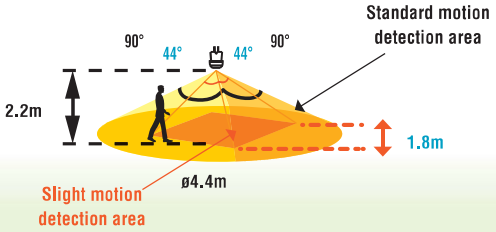
High Sensitivity Centre ZONE: Optimized for detecting small movements and small objects

Normal Sensitivity Outer ZONE: Optimized for detecting larger movements of larger objects

NEW

Recommended applications

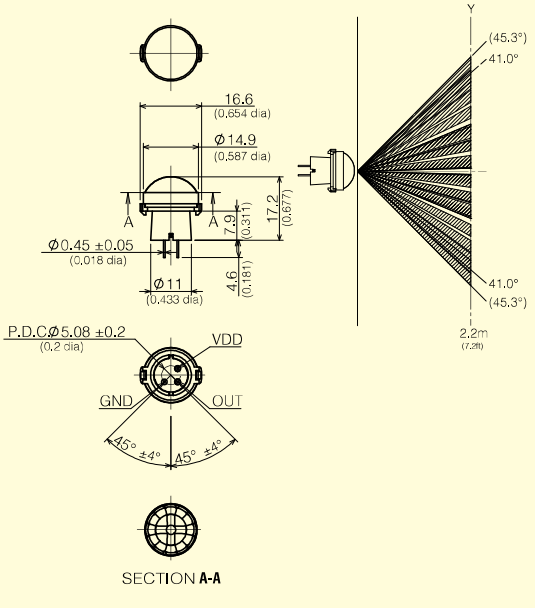
Lighting control, heaters, ventilators or air conditioners, IP cameras, intrusion alarms, digital signage, vending machines, multi-function printers, display panels for meeting rooms, PCs



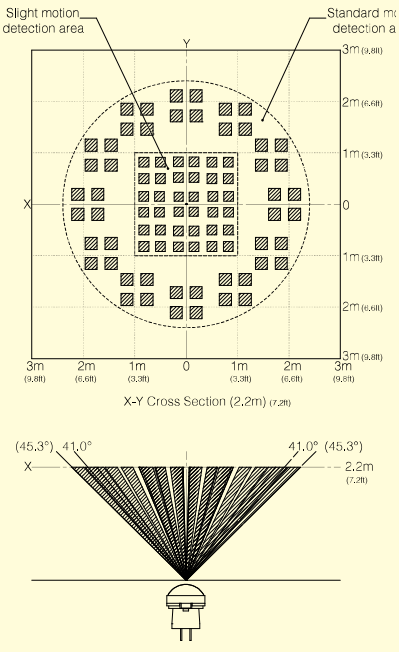
		Standard and slight motion detection type			
Current consumption in standby mode (1µA type: in sleep mode)		1µA	2µA	6µA	170µA
Output		Digital (open collector)			
Lens color	White	EKMB1193111	EKMB1293111	EKMB1393111K	EKMC1693111
	Black	EKMB1193112	EKMB1293112	EKMB1393112K	EKMC1693112
	Pearl white	EKMB1193113	EKMB1293113	EKMB1393113K	EKMC1693113

Dimension (mm)

CAD data by request



Detection zone



Detection characteristics

Detection distance	Max. 2.2m*	
Field of view	Slight motion	44° x 44°
	Standard motion	90° x 90°
Detection zone	Slight motion	36
	Standard motion	48
Detection condition ▲	Slight motion	• The temperature difference between the target and the surroundings must be higher than 4°C. • Movement speed: 0.5m/s • Target concept: human head with an approx. size of 200x200mm • Target moving direction: crossing 1 detection zone
	Standard motion	• The temperature difference between the target and the surroundings must be higher than 4°C. • Movement speed: 1.0m/s • Target concept: human body with an approx. size of 400x200mm • Target moving direction: crossing 2 detection zones

* Under specified detection conditions

▲ Please refer to "Cautions for use" (page 18) and "Basic principles"(page 18, point 5), for more details

Please contact your local sales representative for detailed specifications.