



Motion sensor technologies

Leading
by technology



Technologies and product specifications





PIR

PIR technology

TECHNOLOGY



Specifications

EV1000 series EVAM series EV1100 series EV600 series

PIR	Used technology	PIR technology with Superior mirror optics						
		EV1012	EV1012AM	EV1012PI	EV1116	EV1116AM	EV666-D	EV669
		Number of PIR curtains	9	9	9	11	11	18
Detection range (m)	12	12	12	16	16	20	20	
Viewing angle (°)	86	86	86	86	86	360	360	
Mounting height – min./max. (m)	1,8/3,0	1,8/3,0	2,3/3,0	1,8/3,0	1,8/3,0	2,5/5,0	2,5/5,0	
Nominal current consumption (mA)	4,4	10	4,4	4,4	4,4	10	10	
Dimensions:	Height (mm)	108	108	108	125	125	138 (Ø)	138 (Ø)
	Width (mm)	60	60	60	65	65	138 (Ø)	138 (Ø)
	Depth (mm)	46	46	46	60	60	68	68
Pet immunity – up to (kg)	—	—	15	—	—	—	—	
Anti-masking optical AIR	—	Yes	—	—	Yes	—	—	
Anti-masking radar	—	—	—	—	—	—	—	
EN 50131 certified – grade	2	3	2	2	3	2	2	

ROR

Range Gated radar

TECHNOLOGY



Specifications

DD1000(AM) series DD600(AM) series

PIR + radar	Used technology	Patented volumetric Dual Plus technology motion sensors							
		DD1012	DD1012PI	DD1012AM	DD1012RAM	DDV1016	DDV1016AM	DD669	DD669AM
		Number of PIR curtains	9	9	9	9	9	9	18
Detection range (m)	12	12	12	12	16	16	20	20	
Viewing angle (°)	78	78	78	78	78	78	360	360	
Mounting height – min./max. (m)	1,8/3,0	1,8/3,0	2,0/3,0	1,8/3,0	1,8/3,0	2,0/3,0	2,5/5,0	2,5/5,0	
Nominal current consumption (mA)	8	8	10	9	8	10	12	12	
Dimensions:	Height (mm)	126	126	126	126	126	126	138 (Ø)	138 (Ø)
	Width (mm)	63	63	63	63	63	63	138 (Ø)	138 (Ø)
	Depth (mm)	50	50	50	50	50	50	92	92
Pet immunity – up to (kg)	—	18	—	—	—	—	—	—	
Anti-masking optical AIR	—	—	Yes	—	—	Yes	—	—	
Anti-masking radar	—	—	—	Yes	—	—	—	Yes	
EN 50131 certified – grade	2	2	3	2	2	3	2	3	



VE1000 series VE1100 series VEAM series VE700 series

Specifications

Vector	Used technology	Passive InfraRed motion sensors – Vector signal processing for false alarm immunity										
		VE1012	VE1012AM	VE1012PI	VE1016	VE1016AM	VE1120	VE1120AM	VE735	VE735AM	VE736	VE736AM
	Number of PIR curtains	9	9	9	9	9	11	11	11	11	11	11
Detection range (m)	12	12	12	16	16	20	20	20/60	20/60	20/60	20/60	
Viewing angle (°)	86	86	86	86	86	86	86	86	86	86	86	
Mounting height – min./max. (m)	1,8/3,0	1,8/3,0	1,8/3,0	1,8/3,0	1,8/3,0	1,8/3,0	1,8/3,0	1,8/3,0	1,8/3,0	1,8/3,0	1,8/3,0	
Nominal current consumption (mA)	4,4	10	4,4	4,4	10	4,4	4,4	11	20	11	20	
Dimensions: Height (mm)	108	108	108	108	108	125	125	175	175	175	175	
Width (mm)	60	60	60	60	60	65	65	93	93	93	93	
Depth (mm)	46	46	46	46	46	60	60	66	66	66	66	
Pet immunity – up to (kg)	—	—	15	—	—	—	—	—	—	—	—	
Anti-masking optical AIR	—	Yes	—	—	Yes	—	Yes	—	Yes	—	Yes	
Anti-masking radar	—	—	—	—	—	—	—	—	—	—	—	
EN 50131 certified – grade	2	3	2	2	3	2	3	2	3	2	3	



EVAM series VEAM series DD1000AM series DD600AM series

Specifications

Anti-masking	Used technology	EN Grade 3 anti-masking technology										
		EV1012AM	EV1116AM	VE1012AM	VE1016AM	VE1120AM	VE735AM	VE736AM	DD1012AM	DD1012RAM	DDV1016AM	DD669AM
	Number of PIR curtains	9	11	9	9	11	11	11	9	9	9	18
Detection range (m)	12	16	12	16	20	60	60	12	12	16	20	
Viewing angle (°)	86	86	86	86	86	86	86	78	78	78	360	
Mounting height – min./max. (m)	1,8/3,0	1,8/3,0	1,8/3,0	1,8/3,0	1,8/3,0	1,8/3,0	1,8/3,0	2,0/3,0	1,8/3,0	2,0/3,0	2,5/5,0	
Nominal current consumption (mA)	10	4,4	10	10	4,4	20	20	10	9	10	12	
Dimensions: Height (mm)	108	125	108	108	125	175	175	126	126	126	138 (Ø)	
Width (mm)	60	65	60	60	65	93	93	63	63	63	138 (Ø)	
Depth (mm)	46	60	46	46	60	66	66	50	50	50	92	
Pet immunity – up to (kg)	—	—	—	—	—	—	—	—	—	—	—	
Anti-masking optical AIR	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	—	Yes	—	
Anti-masking radar	—	—	—	—	—	—	—	—	Yes	—	Yes	
EN 50131 certified – grade	3	3	3	3	3	3	3	3	2	3	3	



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