Motion sensor

ARITECH

# Leading
# by technology



Carrier

# PIR technology

**TECHNOLOGY**

**EV1000 series**    **EVAM series**    **EV1100 series**    **EV600 series**

## Specifications

| 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 | 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 |

# Range Gated radar

**TECHNOLOGY**

**DD1000(AM) series**    **DD600(AM) series**

## Specifications

| 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 | 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 |

*For country specific SKU's, please reach out to your local technical support.*

**VECTOR TECHNOLOGY**



VE1000 series   VE1100 series   VEAM series   VE700 series

## Specifications

| 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 |

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# Anti-Masking Technology

**ANTI-MASKING TECHNOLOGY**



EVAM series   VEAM series   DD1000AM series   DD600AM series

## Specifications

| 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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## About Aritech

Aritech provides leading security and life-safety solutions for both commercial and residential applications covering intrusion, video, transmission and access. Offering some of the most-trusted product names in the industry, and backed by ongoing partner services and support, Aritech helps customers secure and protect what matters most. Aritech is a part of Carrier Global Corporation, a leading global provider of healthy, safe and sustainable building and cold chain solutions. For more information, visit **aritech.com** or follow us on LinkedIn @Aritech.

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