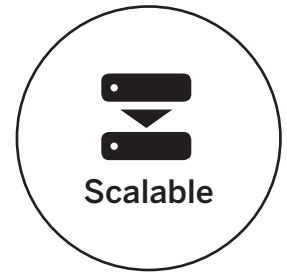


DFUSION & DFUSION**PRO** Stand-alone software

DFUSION & DFUSION**PRO**
are compatible with all
hardware on the market,
allowing you to work freely
with the equipment you need.

If you don't need our
hardware, you can purchase
the stand-alone software
solution.



Features

DFUSION &
DFUSION**PRO**
stand-alone
software

DFUSION

Thermal: 235 m (257 yd)
Day/night: 67 m (73 yd)

DFUSION**PRO**

Thermal: 505 m (552 yd)
Day/night: 120 m (131 yd)



Intruders

Vehicles

Entry / Exit

Sabotage

Loitering

Appearance / disappearance

Combination of rules

Compatible ONVIF

Scalable

Integrated with
CMS, VMS and PSIM

ONVIF bridge

High resolution

Virtual IR

Image stabilisation

Smart PTZ

ATK**PRO**

Range tables

Thermal cameras

DFUSION

| f (mm) | Pixel pitch (µm) | Sensor (px) | HFOV (o) | Blind distance (m/yd) | Distance (m/yd) |
|--------|------------------|-------------|----------|-----------------------|-----------------|
| 7 | 12 | 384 x 288 | 36° | 7 / 8 | 70 / 76 |
| 9 | 17 | 640 x 480 | 62° | 3 / 3 | 65 / 71 |
| 10 | 17 | 640 x 480 | 57° | 3 / 3 | 70 / 76 |
| 10 | 12 | 384 x 288 | 26° | 11 / 12 | 100 / 109 |
| 13 | 17 | 400 x 300 | 29° | 8 / 9 | 100 / 109 |
| 13 | 17 | 640 x 480 | 45° | 5 / 5 | 110 / 120 |
| 15 | 17 | 640 x 512 | 40° | 7 / 8 | 120 / 131 |
| 15 | 12 | 384 x 288 | 17° | 17 / 18 | 155 / 169 |
| 17 | 12 | 384 x 288 | 15° | 18 / 20 | 175 / 191 |
| 19 | 17 | 400 x 300 | 19° | 15 / 16 | 140 / 153 |
| 19 | 17 | 640 x 480 | 32° | 9 / 10 | 145 / 158 |
| 24 | 12 | 384 x 288 | 11° | 26 / 28 | 235 / 257 |
| 25 | 17 | 400 x 300 | 15° | 18 / 20 | 180 / 197 |
| 25 | 17 | 640 x 480 | 25° | 12 / 13 | 180 / 197 |
| 25 | 17 | 640 x 512 | 25° | 11 / 12 | 185 / 202 |
| 25 | 12 | 384 x 288 | 11° | 29 / 32 | 245 / 268 |
| 35 | 17 | 400 x 300 | 11° | 16 / 17 | 240 / 262 |
| 35 | 17 | 640 x 480 | 18° | 17 / 18 | 240 / 262 |
| 35 | 12 | 384 x 288 | 8° | 39 / 43 | 320 / 350 |

DFUSIONPRO

| | | | | | |
|-----|----|-----------|-----|---------|-----------|
| 17 | 12 | 384 x 288 | 15° | 19 / 21 | 220 / 240 |
| 19 | 17 | 400 x 300 | 20° | 15 / 16 | 180 / 197 |
| 19 | 17 | 640 x 480 | 32° | 9 / 10 | 185 / 202 |
| 25 | 17 | 640 x 512 | 25° | 11 / 12 | 230 / 251 |
| 25 | 12 | 384 x 288 | 11° | 29 / 32 | 300 / 328 |
| 35 | 17 | 640 x 512 | 18° | 15 / 16 | 300 / 328 |
| 35 | 12 | 384 x 288 | 8° | 39 / 43 | 390 / 426 |
| 50 | 17 | 640 x 512 | 12° | 23 / 25 | 395 / 432 |
| 60 | 17 | 640 x 480 | 10° | 29 / 32 | 445 / 487 |
| 75 | 17 | 640 x 512 | 8° | 31 / 34 | 505 / 552 |
| 100 | 17 | 640 x 512 | 6° | 42 / 46 | 555 / 607 |

Day/night cameras

DFUSION

| f (mm) | Height (m/ft) | Sensor | HFOV (o) | Blind distance (m/yd) | Distance (m/yd) |
|--------|---------------|--------|----------|-----------------------|-----------------|
| 3 | 4 / 13 | (1/3)" | 77° | 2 / 2 | 32 / 35 |
| 8 | 4 / 13 | (1/3)" | 33° | 8 / 9 | 67 / 73 |
| 15 | 4 / 13 | (1/3)" | 18° | 14 / 15 | 70 / 76 |

DFUSIONPRO

| | | | | | |
|----|--------|--------|-----|---------|-----------|
| 15 | 4 / 13 | (1/3)" | 18° | 15 / 16 | 122 / 133 |
| 15 | 4 / 13 | (1/3)" | 14° | 12 / 13 | 123 / 134 |

- Camera installed 4 m / 4 yd above ground level. The maximum range obtained is the ratio of 1.8-m / 6 ft person standing at the top of the image. Distances are reduced in adverse weather conditions. The thermal difference required is 2°C. The minimum observation of the person is two seconds, recommended five seconds. HFOV means horizontal field of view.

Specifications

HARDWARE

| | |
|----------|---|
| Hardware | Dedicated machine (physical or virtual) |
|----------|---|

CAMERAS

| | |
|---------|--------------|
| Minimum | 2 per server |
|---------|--------------|

| | |
|---------|---------------|
| Maximum | 40 per server |
|---------|---------------|

RAM

| | |
|---------|-----------------|
| DFUSION | 1 GB per camera |
|---------|-----------------|

| | |
|------------|-----------------|
| DFUSIONPRO | 2 GB per camera |
|------------|-----------------|

| | |
|--------|-----------------|
| ATKPRO | 2 GB per camera |
|--------|-----------------|

| | |
|---------|------|
| Minimum | 8 GB |
|---------|------|

| | |
|------|----------------|
| Type | DDR4 or higher |
|------|----------------|

| | |
|----------|----------|
| Velocity | 2666 MHz |
|----------|----------|

➤ Use two memory banks for optimal access speed.

CPU

| | |
|---------|---------------------------|
| DFUSION | 900 PassMarks® per camera |
|---------|---------------------------|

| | |
|------------|----------------------------|
| DFUSIONPRO | 1800 PassMarks® per camera |
|------------|----------------------------|

| | |
|--------|----------------------------|
| ATKPRO | 1800 PassMarks® per camera |
|--------|----------------------------|

| | |
|--------------------------|--|
| Integrated graphics card | Use only Intel CPUs with integrated GPU (avoid F-series) |
|--------------------------|--|

➤ At www.cpubenchmark.net you will find reliable information about the processing power of most CPUs on the market. For multi CPU systems, please go to section https://www.cpubenchmark.net/multi_cpu.html

FUNCTIONALITIES WITH ADDITIONAL CONSUMPTION

| | |
|--------------|--|
| ONVIF bridge | +15% on the total PassMarks® calculation |
|--------------|--|

GRAPHIC CARD

| | |
|-----|------------------------------|
| GPU | NVIDIA T400 up to 8 channels |
|-----|------------------------------|

| | |
|--|-------------------------------|
| | NVIDIA T600 up to 13 channels |
|--|-------------------------------|

| | |
|--|--------------------------------|
| | NVIDIA T1000 up to 16 channels |
|--|--------------------------------|

| | |
|--|-----------------------------------|
| | NVIDIA GTX 1650 up to 18 channels |
|--|-----------------------------------|

| | |
|--|--|
| | NVIDIA RTX A2000 6GB up to 35 channels |
|--|--|

| | |
|--|----------------------------------|
| | NVIDIA RTX4000 up to 40 channels |
|--|----------------------------------|

➤ Make sure the power supply is enough to power all components, including the GPU.

HDD

| | |
|----------|----------|
| Capacity | > 256 GB |
|----------|----------|

| | |
|-------------|-----|
| Recommended | SSD |
|-------------|-----|

OPERATING SYSTEMS

| | |
|---------|------------------------------------|
| Version | Windows 10, version 1809 or higher |
|---------|------------------------------------|

| | |
|---------------------|-----------------------|
| Compatible Editions | Windows 10 Pro 64bits |
|---------------------|-----------------------|

| | |
|--|---------------------------------|
| | Windows 10 Enterprise LTSC 2019 |
|--|---------------------------------|

| | |
|--|----------------------------|
| | Windows Server 2019 64bits |
|--|----------------------------|

| | |
|---------------------|---------------------------------|
| Recommended edition | Windows 10 Enterprise LTSC 2019 |
|---------------------|---------------------------------|

DFUSION & DFUSION**PRO**

stand-alone are associated
with a maintenance contract.
Contact DAVANTIS for more
information.

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