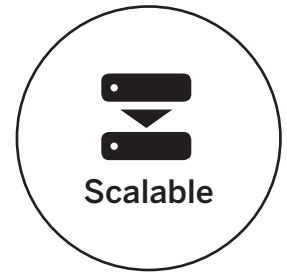


DFUSION & DFUSION**PRO** Stand-alone software

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

ATKPRO

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 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.

DAVANTIS TECHNOLOGIES SL

Barcelona · Spain
Madrid · Spain
Nice · France
Luedinghausen · Germany
Bogota · Colombia
Singapore

DAVANTIS TECHNOLOGIES INC

Washington DC · USA

T | +34 932 203 333

info@davantis.com
www.davantis.com

