DFUSION Range

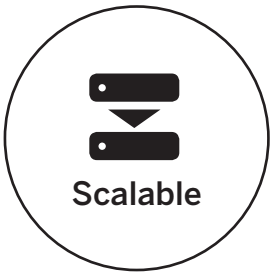
Datasheet

V02

DAVANTIS

Compatible with all makes of hardware and can be integrated in CMS, VMS and PSIM.

Total freedom when designing CCTV systems.



Features

DFUSION Range

DFUSION MINI

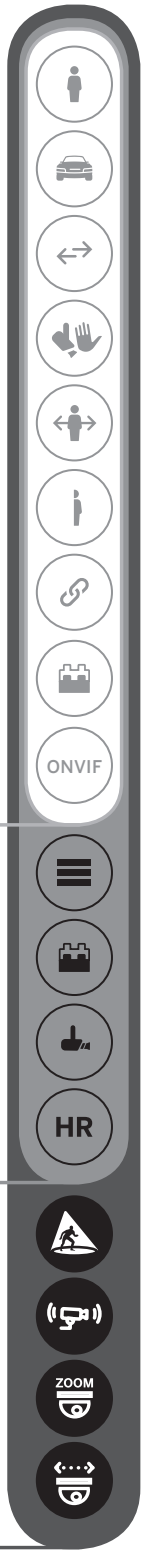
Day/night camera: 67 m (73 yd)

DFUSION

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

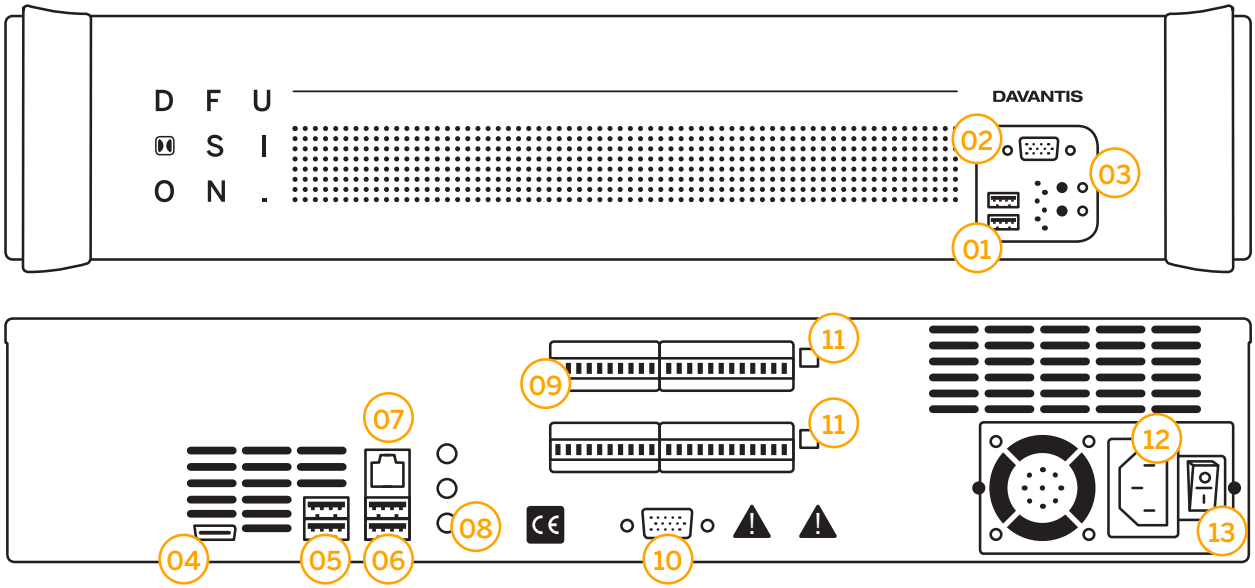
DFUSION**PRO**

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



- Intruders
- Vehicles
- Entry / Exit
- Sabotage
- Loitering
- Appearance / disappearance
- Combination of rules
- Integrated with CMS
- Compatible ONVIF
- Scalable
- Integrated with CMS, VMS and PSIM
- ONVIF bridge
- High resolution
- Virtual IR
- Image stabilisation
- Smart PTZ
- ATK**PRO**

DFUSION & DFUSION**PRO**



01 · 2 USB 2.0 connections **02** · 1 VGA connection **03** · 1 On/Off switch **04** · 1 HDMI connection **05** · 2 USB 3.0 connections **06** · 2 USB 2.0 connections **07** · RJ45 network connector 10/100/1000 **08** · 1 audio Jack 3.5 input/output port **09** · 8 inputs N/O or N/C **10** · 1 VGA connection **11** · 4/8/12/16 internal relay outputs N/C (optional) **12** · 1 slot for power cable **13** · 1 On/Off switch for power supply

Technical Specifications

DFUSION & DFUSIONPRO	
Processor	INTEL
Memory (RAM)	8 GB or higher
Hard drive	At least 1 TB - SATA HDDS
Power supply	350W. 100 - 240V AC / 60 - 50 Hz + 10%
Power consumption	Aprox. 130 W at full load
Power cord and plug	1,5 m cable with IEC connector
Environmental class	II (Indoor - General)
Storage temperature	-10ºC to 60ºC with a relative humidity of 10 to 90% without condensation
Working temperature	-10ºC to +35ºC at a relative humidity of 10 to 90% without condensation
Housing	Black rugged metal housing
Device dimensions	482 x 90 x 300 mm / 19 x 3,5 x 12 inch (W x H x D) (19"x 2U for rack-mount)
Package dimensions	560 x 170 x 590 mm / 22 x 6,7 x 23 inch (W x H x D)
Weight	6 Kg
Communication protocols	TCP/IP, SMTP
Input and output ports	Input: 900, 5500, 21000 (customizable) Output: 9034, 465 (customizable)
Data protection	Digital signature
GPU	NVIDIA minimum 6 GB or higher

OPTIONAL	
Relay outputs	4/8/12/16 Internal Relay outputs N/C 5 Amps at 12V DC
Supervision kit	19" monitor (VGA), keyboard and mouse (USB)
Daview AMS	Alarm Management System for VMS, CMS and PSIM with ClickThru™ technology

Range table

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

DFUSION**PRO**

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

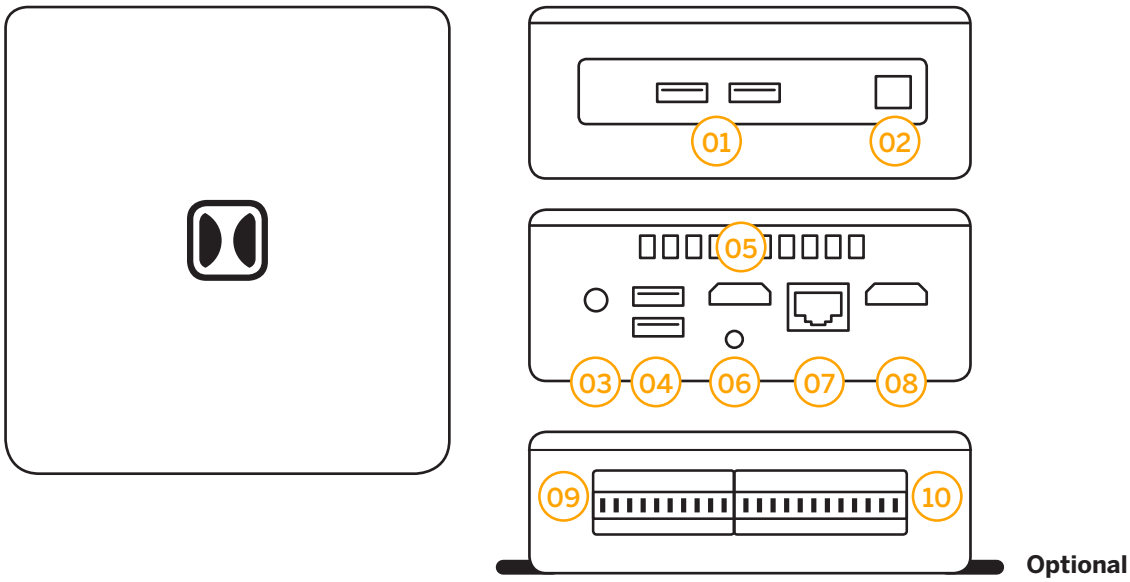
f (mm)	Height (m/ft)	Sensor	HFOV (o)	Blind distance (m/yd)	Distance (m/yd)
3	4 / 13	(1/3)"	77°	2 / 2	32 / 35
8	4 / 13	(1/3)"	33°	8 / 9	67 / 73
15	4 / 13	(1/3)"	18°	14 / 15	70 / 76

DFUSION**PRO**

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.

DFUSION MINI



01 · USB 3.0 connections **02** · Power button **03** · DC power connector **04** · USB 3.0 connections
05 · HDMI port **06** · Audio output **07** · RJ45 network connector 10/100/1000 **08** · HDMI port
09 · 4 digital inputs **10** · 4 relays N/O - N/C

Technical Specifications

DFUSION MINI	
Processor	INTEL
Memory (RAM)	4 GB
Hard drive	NAND flash memory based SSD (Solid State Drive)
Power supply	DC Power 12-19V, 65W (external power supply)
Power consumption	Approx. 30 W at full load
Environment operating temperature	0ºC to +40ºC
Storage Temperature	-20ºC to +60ºC
Housing	Ultra compact housing
Device dimensions	115 x 111 x 51 mm / 4,55" x 4,57" x 2,01"
Environmental class	II (Indoor - General)
Weight	630 gr
Communication protocols	TCP/IP, SMTP
Input and output ports	Input: 900, 5500, 21000 (customizable) Output: 9034, 465 (customizable)
Data protection	Digital signature

OPTIONAL	
Input activation signal	USB external device, 4 inputs
Relay outputs	USB external device, 4 N/C relay outputs (dry contact), max. 6A at AC
Daview AMS	Alarm Management System for CMS with ClickThru™ technology

Range table

Day/night cameras

DFUSION MINI

	f (mm/inch)	Height (m/ft)	Sensor	HFOV (o)	Blind distance (m/yd)	Distance (m/yd)
Standard view	3/0,12	4/13	(1/3)"	77º	2/2	32/35
	8/0,31	4/13	(1/3)"	33º	8/9	67/73

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