

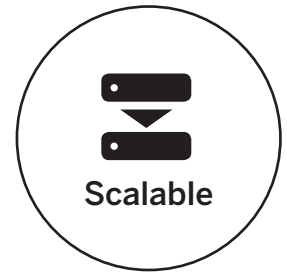
DFUSION Range Datasheet

V02



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)

DFUSIONPRO

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

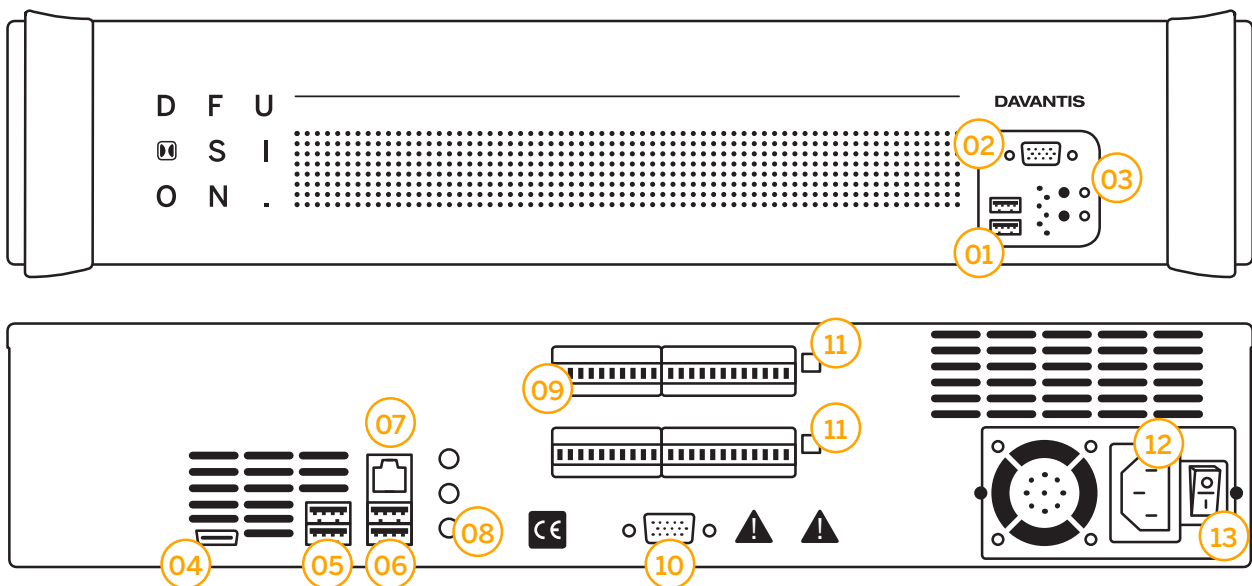
Virtual IR

Image stabilisation

Smart PTZ

ATKPRO

DFUSION & DFUSIONPRO —



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 / 16 GB
Hard drive	1 TB - SATA
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	-10°C to 60°C with a relative humidity of 10 to 90% without condensation
Working temperature	-10°C to +35°C 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 6 GB Upgradable to 12 GB
OPTIONAL	
Relay outputs	REL4I, REL8I internal relay outputs N/C. 5amps at 12V DC REL12I, REL16I internal relay outputs N/C. 5amps 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

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

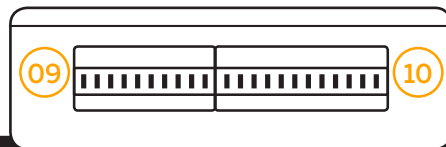
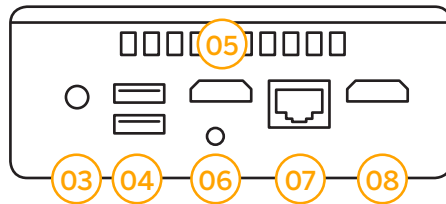
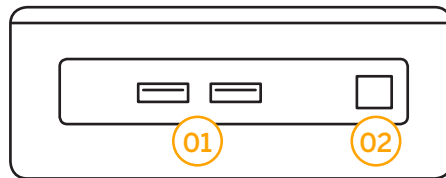
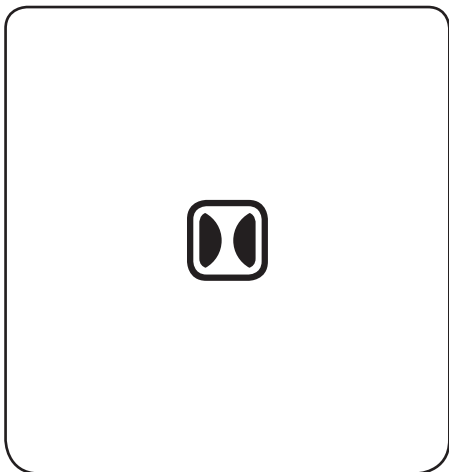
f (mm)	Height (m/ft)	Sensor	HFOV (o)	Blind distance (m/yd)	Distance (m/yd)
3	4 / 13	(1/3)"	77°	2 / 2	32 / 35
8	4 / 13	(1/3)"	33°	8 / 9	67 / 73
15	4 / 13	(1/3)"	18°	14 / 15	70 / 76

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.

DFUSION MINI —



Optional

- 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	0°C to +40°C
Storage Temperature	-20°C to +60°C
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 (°)	Blind distance (m/yd)	Distance (m/yd)
Standard view	3/0,12	4/13	(1/3)"	77°	2/2	32/35
	8/0,31	4/13	(1/3)"	33°	8/9	67/73



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