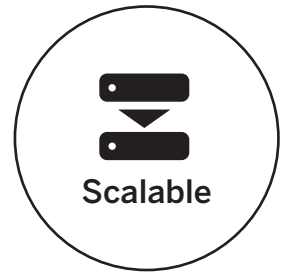


DFUSION Range

Datasheet



Two detection engines to stop security breaches



Next generation AI-based technology

Total freedom when designing CCTV systems

Features —

DFUSION Range

DFUSION MINI

Day/night camera: 70 m (76,5 yd)

DFUSION

Thermal camera: 320 m (350 yd)

Day/night camera: 70 m (76,5 yd)

DFUSIONPRO

Thermal camera: 555 m (607 yd)

Day/night camera: 128 m (140 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

Threat levels

Maps in action

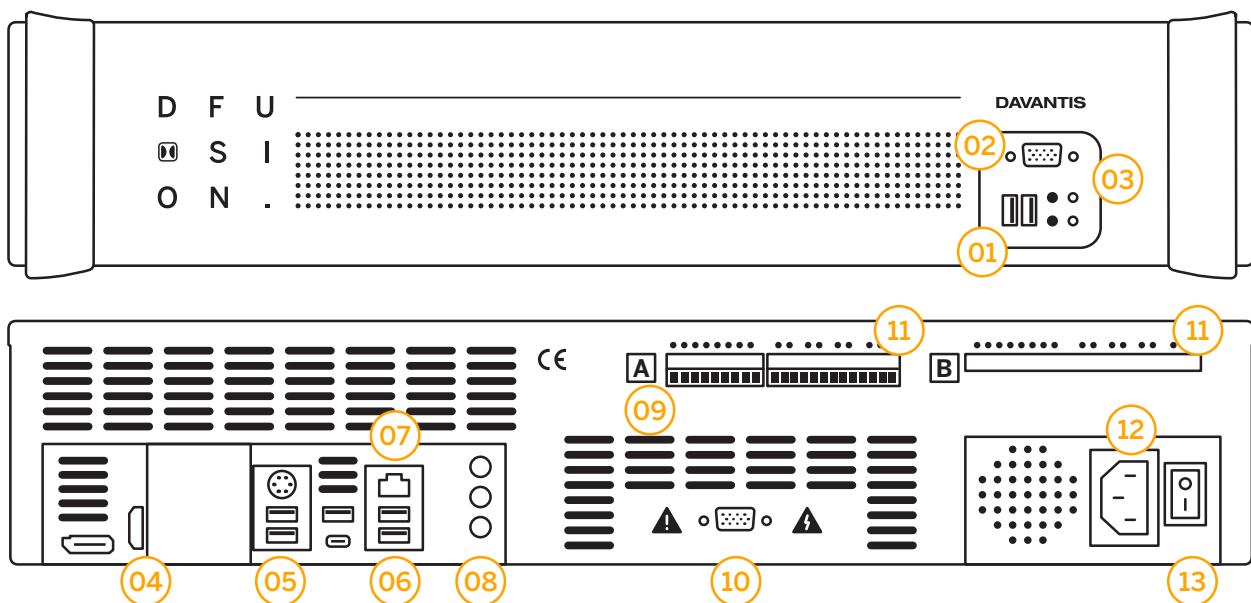
Virtual IR

Image stabilisation

Smart PTZ

ATK**PRO**

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 / 32 GB
Hard drive	NVMe (Solid State Drive)
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	520 x 150 x 450 mm / 20,5 x 6 x 17,7 inch (W x H x D)
Weight	8 Kg
Communication protocols	TCP/IP, SMTP, HTTP, HTTPS
Data protection	Digital signature
GPU	NVIDIA

OPTIONAL

Relay outputs	Internal: 4/8/12/16 Additional external: 4/8/12/16
Supervision kit	19" monitor (VGA), keyboard and mouse (USB)
Daview AMS	Alarm management for CMS or control center with ClickThru™ simplicity

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)"	81°	3 / 3,3	27 / 29,5
8	4 / 13	(1/3)"	35°	10 / 11	62 / 67,8
15	4 / 13	(1/3)"	19°	19 / 20,8	70 / 76,5

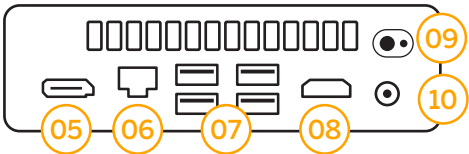
DFUSIONPRO

15	4 / 13	(1/3)"	19°	19 / 20,8	113 / 123,6
17	4 / 13	(1/3)"	11°	21 / 23	128 / 140

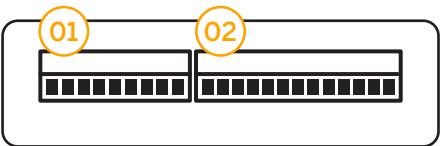
➤ Camera installed 4 m / 4 yd above ground level. The maximum range obtained is the ratio of 1.8-m / 6 ft person standing at the top of the image. Distances are reduced in adverse weather conditions. The thermal difference required is 2°C. The minimum observation of the person is two seconds, recommended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

DFUSION MINI

4/6 channels



01 - Power button 02 - USB 3.0 connections 03 - Audio input 04 - Audio output 05 - HDMI port 06 - RJ45 network connector 10/100/1000 07 - USB 3.0 connections 08 - HDMI port 09 - Kensington security connector 10 - DC power connector



Device I/O (optional)

01 - 8 digital inputs
02 - 4/6 relays

Technical Specifications

DFUSION MINI	
Processor	INTEL
Memory (RAM)	8 GB
Hard drive	NVMe (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	135 x 31 x 115 mm / 5,3" x 1,2" x 4,5" inch (W x H x D)
Package dimensions	330 x 60 x 200 mm / 13" x 2,4" x 7,8" inch (W x H x D)
Package weight	1,5 Kg
Environmental class	II (Indoor - General)
Weight	600 gr
Communication protocols	TCP/IP, SMTP, HTTP, HTTPS
Data protection	Digital signature

OPTIONAL	
Input activation signal	USB external device, 8 inputs
Relay outputs	USB external device, 4/6 outputs
Daview AMS	Alarm management for CMS or control center with ClickThru™ simplicity

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)"	81°	3 / 3,28	27 / 29,5
	10 / 0,4	4/13	(1/3)"	29°	13 / 14,2	70 / 76,5



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