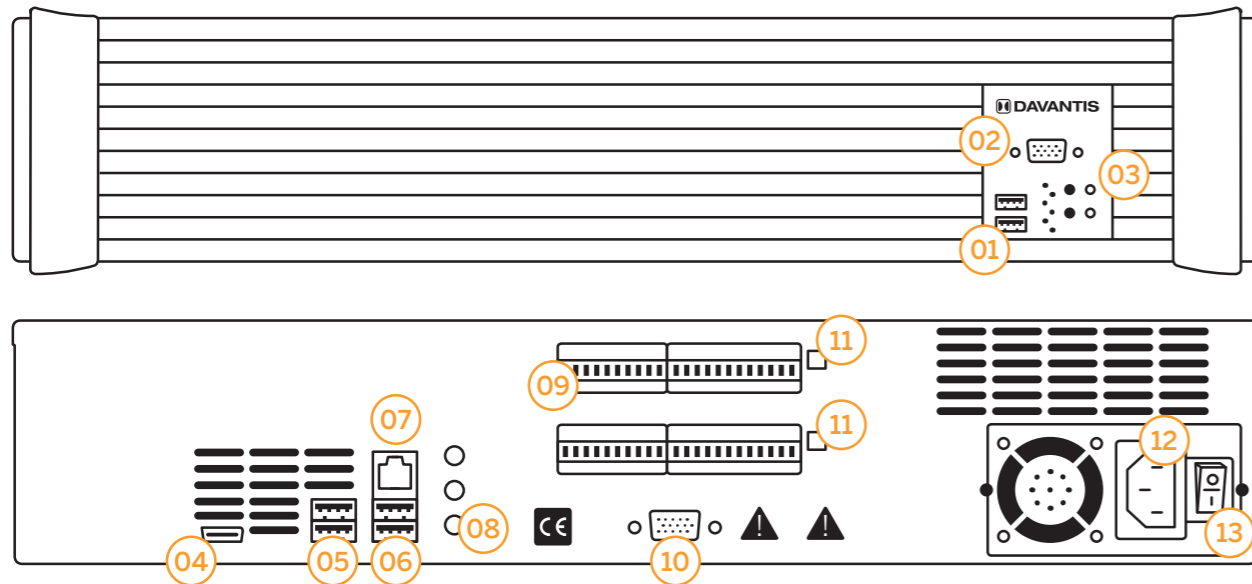


DFUSION DFUSION**PRO**



CPNI
Centre for the Protection
of National Infrastructure

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

DATASHEET

	DFUSION	DFUSION PRO
Intruder	●	●
Vehicles	●	●
Entry / exit	●	●
Tampering	●	●
Loitering	●	●
Appearance / disappearance	●	●
Virtual Onvif	●	●
Combination of rules	●	●
Integration with VMS, CMS and PSIM	●	●
HR High resolution analysis		●
Smart PTZ		●
Virtual IR for thermal cameras		●
Stabiliser for adverse conditions		●
Anti-dead zone corridor view		●
ATK PRO optional module		●
Distance thermal camera	235 m / 257 yd	505 m / 552 yd
Distance day/night camera	67 m / 73 yd	120 m / 131 yd

RANGE TABLES

Thermal cameras

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f (mm)	Pixel pitch (µm)	Sensor (px)	HFOV (o)	Blind distance (m/yd)	Distance (m/yd)
9	17	640 x 480	62°	3/3	65/71
10	17	640 x 480	57°	3/3	70/77
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°	6/7	125/137
19	17	400 x 300	20°	12/13	140/153
19	17	640 x 480	32°	8/9	145/159
25	17	400 x 300	15°	16/17	175/191
25	17	640 x 480	25°	10/11	180/197
25	17	640 x 512	25°	10/11	185/202
35	17	400 x 300	11°	23/25	235/257
35	17	640 x 480	18°	15/16	240/262

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19	17	400 x 300	20°	12/13	195/213
19	17	640 x 480	32°	8/9	205/224
25	17	400 x 300	15°	16/17	245/268
25	17	640 x 512	25°	10/11	255/279
35	17	640 x 480	18°	15/16	335/366
50	17	640 x 512	12°	19/21	445/487
60	17	640 x 480	10°	23/25	505/552

Day/night cameras

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

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Standard view	15	4/13	(1/3)"	18°	1/1	120/131
Corridor view	15	4/13	(1/3)"	14°	12/13	120/131

Camera installed 4 metres / 4 yd above ground level. The maximum range obtained is the ratio of 1.8-metre / 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 2 seconds, recommended 5 seconds. HFOV means horizontal field of view.

TECHNICAL SPECIFICATIONS

Processor	INTEL
Memory (RAM)	4 / 8 GB
Hard drive	High performance SATA / SSD (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 (A x A x P) (19" x 2U for rack-mount)
Package dimensions	560 x 170 x 590 mm / 22 x 6,7 x 23 inch (A x A x P)
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

OPCIONAL

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

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