

DFUSION /3 Range

Datasheet

Discover the technical details behind the highest peak in video analytics

Next generation AI-based technology

Scalable and compatible

Total freedom when designing CCTV systems

DFUSION /3

Behaviour Detection



Intrusion

Capable of detecting intruders at long distances or partially concealed, even in challenging low-light environments



Tampering

Detects camera tampering or sabotage and instantly sends an alert to control centres



Absence

Automatically detects the absence of people, vehicles or animals in areas where their presence is expected



Loitering

Interprets movement and behaviour patterns to detect intentions before they become intrusions



Presence

Detects the presence of people, vehicles or animals in areas where, for security reasons, they should not be



Tailgating

Detects unauthorised access when a person or vehicle closely follows an authorised one into a secure area



Appearance / disappearance

Detects the appearance or disappearance of objects in an area, triggering alerts for unexpected changes



Falls

Automatically detects when a person is immobile and may be injured, triggering an immediate alert



Entry / exit

Detects entries and exits within a defined area, triggering alerts for unauthorised movements



Suspicious dwell time

Identifies people or vehicles remaining in a specific area longer than usual



Line crossing

Detects the crossing of a virtual line in a defined direction, triggering alerts for unauthorised access



Groups

Identifies the presence of groups of people, triggering alerts when unexpected gatherings occur

Features

DFUSION /3 MINI	DFUSION /3	DFUSION /3 PRO	
			Intruders
			Vehicle types*
			Animals
			Tampering
			Behaviours**
			Super rules
			Compatible ONVIF
			Integrated with CMS
—			Integrated with VMS and PSIM
—			Scalable
—			Threat levels
—			Maps in action
—	—		Virtual IR
—	—		Image stabilisation
—	—		Smart PTZ
—	—		ATK PRO

* Car, motorbike, bicycle, forklift truck, van, lorry, etc.

** With DFUSION /3 MINI, each camera must be set to intrusion or behaviour mode.

DFUSION /3

DFUSION /3 PRO



DFUSION /3:

Integration with CMS, VMS and PSIM

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

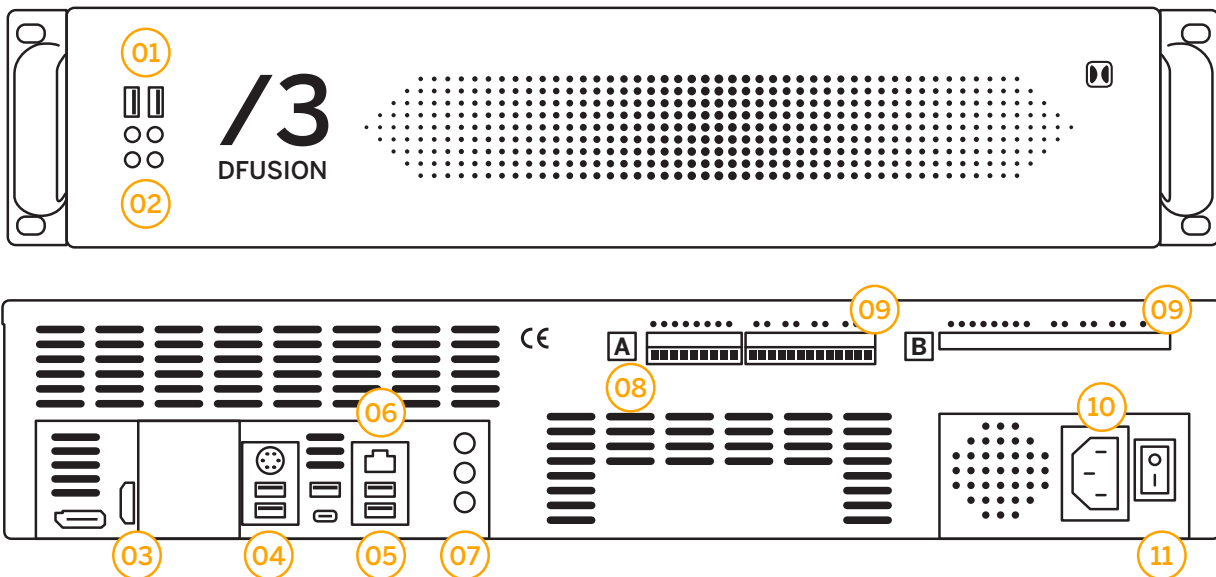
Thermal camera: 320 m (350 yd)

DFUSION /3 PRO:

Integration with CMS, VMS and PSIM

Day/night camera: 128 m (140 yd)

Thermal camera: 555 m (607 yd)



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

Technical Specifications —

DFUSION /3 & DFUSION /3 PRO

Processor	INTEL
Memory (RAM)	8 / 16 / 32 / 64 GB
Hard drive	NVMe (Solid State Drive)
Power supply	400/500 W. 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	-20°C to 60°C with a relative humidity of 10 to 90% without condensation
Working temperature	0°C to 45°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, FTP, RTSP, ONVIF and Portless Connectivity
Data protection	Digital signature
GPU	NVIDIA

OPTIONAL

Relay outputs	Internal: 4/8/12/16 Additional external: 4/8/12/16
Input signals	Internal device, 8 inputs
Daview AMS	Alarm management for CMS or control center with ClickThru™ simplicity

Range table

Thermal cameras

DFUSION /3

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 /3 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 /3

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

DFUSION /3 PRO

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

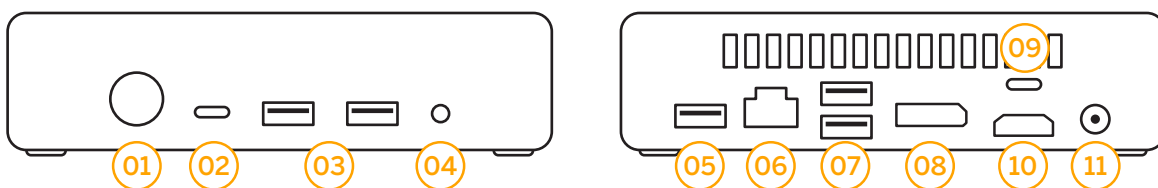
➤ Camera installed 4 m / 4 yd above ground level. The maximum range obtained is the ratio of 1.8-m / 6 ft person standing at the top of the image. Distances are reduced in adverse weather conditions. The thermal difference required is 2°C. The minimum observation of the person is two seconds, recommended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

DFUSION /3 MINI

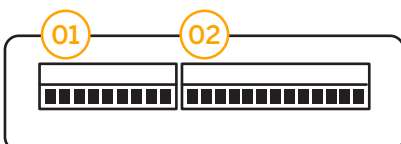
4 channels



Connected to the Alarm Monitoring Station
Day/night camera: 70 m (76,5 yd)



01 - Power button **02** - USB 3.2 Gen2 Type C **03** - USB 3.2 Gen2 Type A **04** - Headset Jack **05** - USB 2.0 Type A
06 - 2.5 Gig Lan **07** - USB 3.2 Gen2 Type A **08** - Display Port 1.4 **09** - USB 3.2 Gen2 Type C with Display Port
10 - HDMI 2.1 **11** - Power input



Device I/O (optional)

01 - 8 digital inputs
02 - 4 outputs

Technical Specifications —

DFUSION /3 MINI (4 channels)	
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 a 35°C
Storage Temperature	-40°C a 60°C
Housing	Ultra compact housing
Device dimensions	135 x 36 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	480 gr
Communication protocols	TCP/IP, SMTP, HTTP, HTTPS, FTP, RTSP, ONVIF and Portless Connectivity
Data protection	Digital signature

OPTIONAL	
Input activation signal	USB external device, 8 inputs
Relay outputs	External USB device, 4 outputs (expandable up to 32)
Daview AMS	Alarm management for CMS or control center with ClickThru™ simplicity

Range table —

Day/night cameras

DFUSION /3 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

DFUSION /3 MINI

6 channels

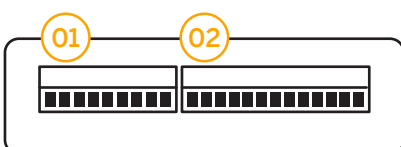


Connected to the Alarm Monitoring Station

Day/night camera: 70 m



01 - USB 3.2 Gen 2 Type-C **02** - USB 3.0 ports **03** - Power button **04** - DC power connector **05** - USB Type-C
06 - USB Type-C **07** - HDMI port **08** - RJ45 10/100/1000 Ethernet port **09** - USB 3.0 ports **10** - HDMI port



Device I/O (optional)

01 - 8 digital inputs
02 - 6 outputs

Technical Specifications

DFUSION /3 MINI (6 channels)	
Processor	INTEL
Memory (RAM)	8 GB
Hard drive	NVMe (Solid State Drive)
Power supply	DC Power 12-19V, 90W (external power supply)
Power consumption	Approx. 50 W at full load
Environment operating temperature	0°C a 35°C
Storage Temperature	-40°C a 60°C
Housing	Ultra compact housing
Device dimensions	117 x 37 x 112 mm / 4,6" x 1,4" x 4,4" 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	533 gr
Communication protocols	TCP/IP, SMTP, HTTP, HTTPS, FTP, RTSP, ONVIF and Portless Connectivity
Data protection	Digital signature

OPTIONAL	
Input activation signal	USB external device, 8 inputs
Relay outputs	External USB device, 6 outputs (expandable up to 32)
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	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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