

# DFUSION /3 Range

Datasheet

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# 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

# Features

DFUSION /3 MINI	DFUSION /3	DFUSION /3 PRO	
Small installations	Industrial sector	Critical infrastructure	
			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 <b>PRO</b>

# DFUSION /3

## DFUSION /3 PRO

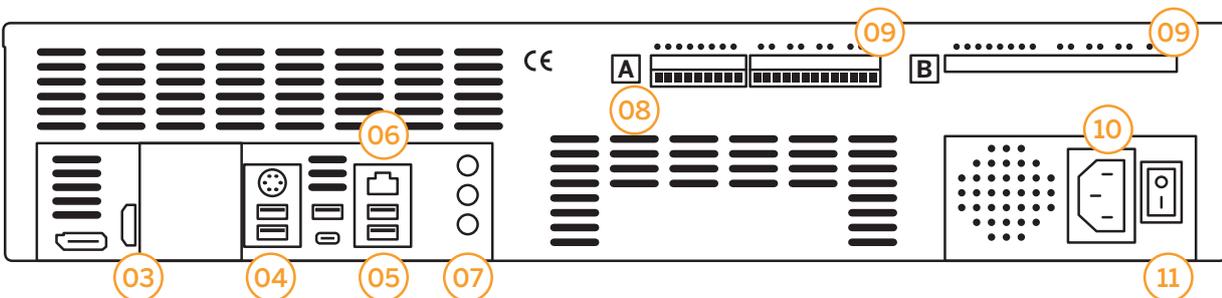
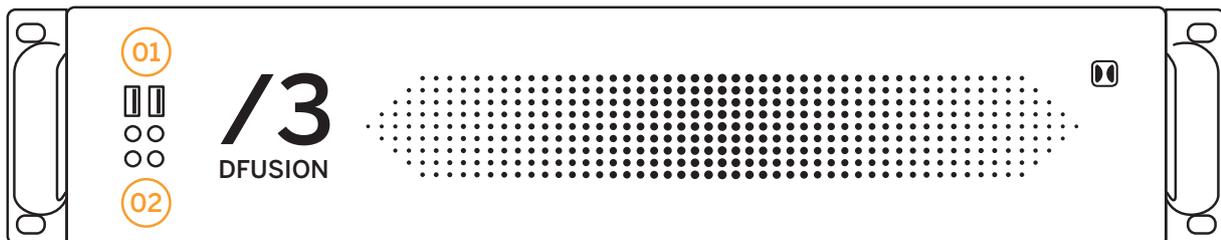


### DFUSION /3:

Integration with VMS and PSIM  
 Day/night camera: 70 m (76,5 yd)  
 Thermal camera: 320 m (350 yd)

### DFUSION /3 PRO:

Integration with 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 / 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
Data protection	Digital signature
GPU	NVIDIA
OPTIONAL	
Relay outputs	Internal: 4/8/12/16 Additional external: 4/8/12/16/32
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

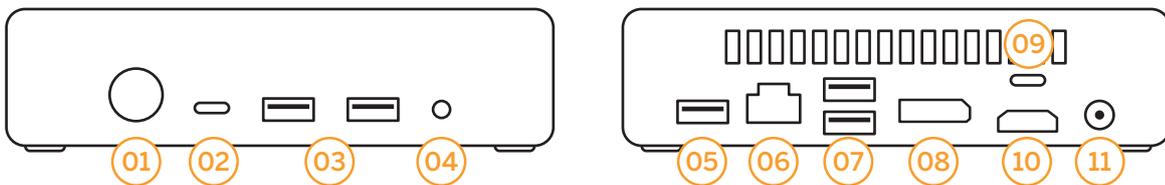
- Camera installed 4 m / 4 yd above ground level. The maximum range obtained is the ratio of 1.8-m / 6 ft person standing at the top of the image. Distances are reduced in adverse weather conditions. The thermal difference required is 2°C. The minimum observation of the person is two seconds, recommended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

# DFUSION /3 MINI

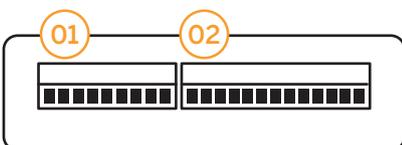
4/6 channels



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** - 4/6 relays

# Technical Specifications

DFUSION /3 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 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
Data protection	Digital signature
OPTIONAL	
Relay outputs	USB external device, 4/6 outputs
Input activation signal	USB external device, 8 inputs
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

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