DAVANTIS
Smarter thinking in video analytics

DAVIEW LR VIDEO ANALYTICS

DATA SHEET

Long Range for Thermal and Visible Cameras

wwww.davantis.com

LARGE PERIMETERS PROTECTION

420m Range
THERMAL
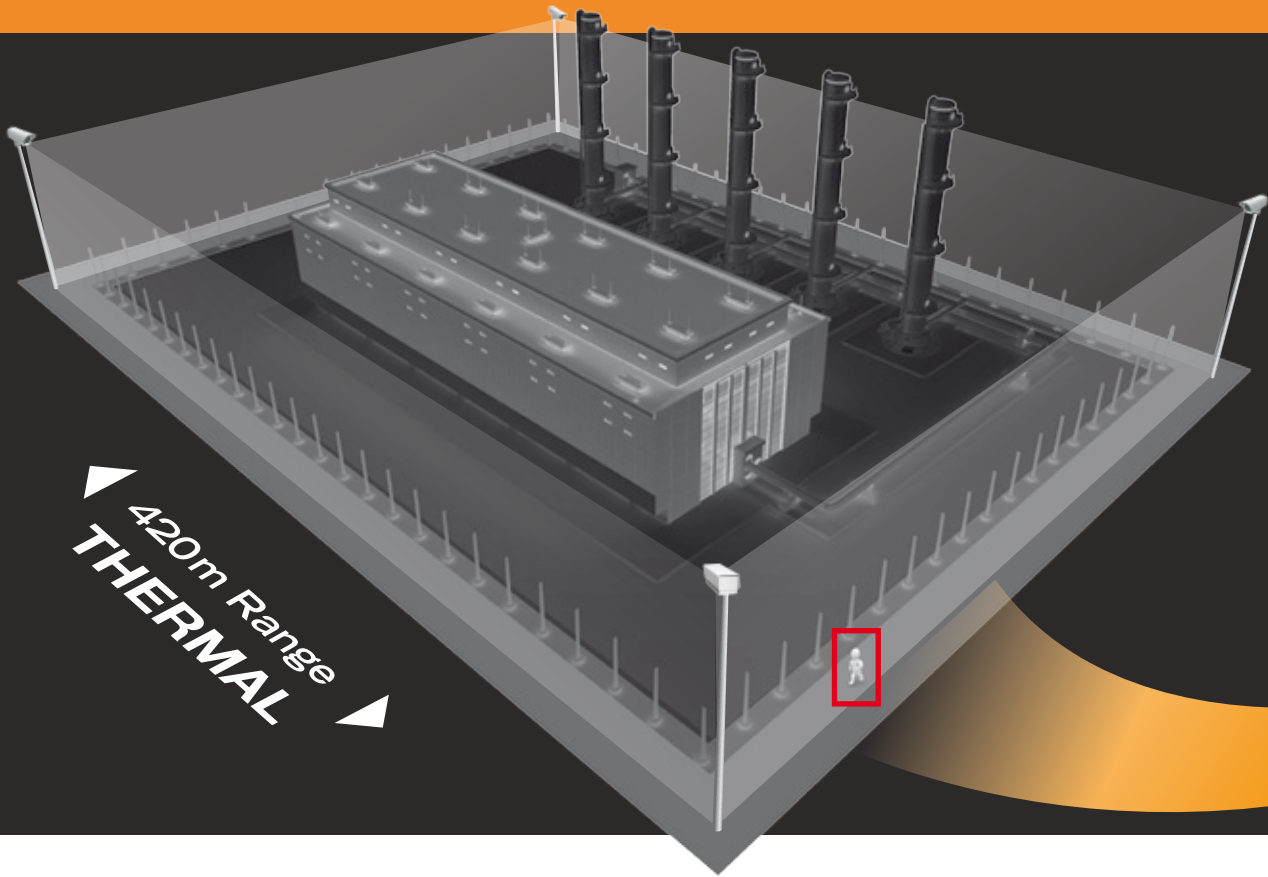
Advanced features

THERMAL

VISIBLE

THE BEST FEATURES OF THERMAL AND VISIBLE CAMERAS

- Detection day or night at **long distances without the need of external illumination**.
- Avoid false alarms related to lights or shadows.
- New algorithms **eliminate false alarms** caused by temperature readjustments.

- Great night illumination with **IR long-range illuminators**.
- Maximum distance only achieved with Davantis certified illuminators.

OTHER FEATURES

- High Definition analysis achieves **up to +40% detection ranges**.
- Higher resolution analysis and **zoom calibration tool** for long range detection.
- All video analytics internal parameters have been adjusted for **superior performance**.

ZOOM
SMART AUTO PTZ

ONVIF
VIRTUAL ONVIF CAMERA

HR
HIGH RESOLUTION

EXIT
EXIT ANTI-FLOW

IMAGE STABILIZATION

Daview LR is designed to work with cameras using very closed field of view and **the effect of movement** in the image created by the slightest vibration of the camera. The use of Image Stabilization pre-processing allows the detection algorithms to maintain effectiveness even with windy conditions maintaining the same reduced false alarm rate and high detection accuracy.

CORRIDOR VIEW

When protecting a perimeter it is very comun that the area to cover is more vertical than horizontal, like the typical view along the fence. The Corridor View format gives you a vertically oriented image, covering more detection surface than a standard horizontal view and reducing the dead zone below the camera.

120m Range
VISIBLE
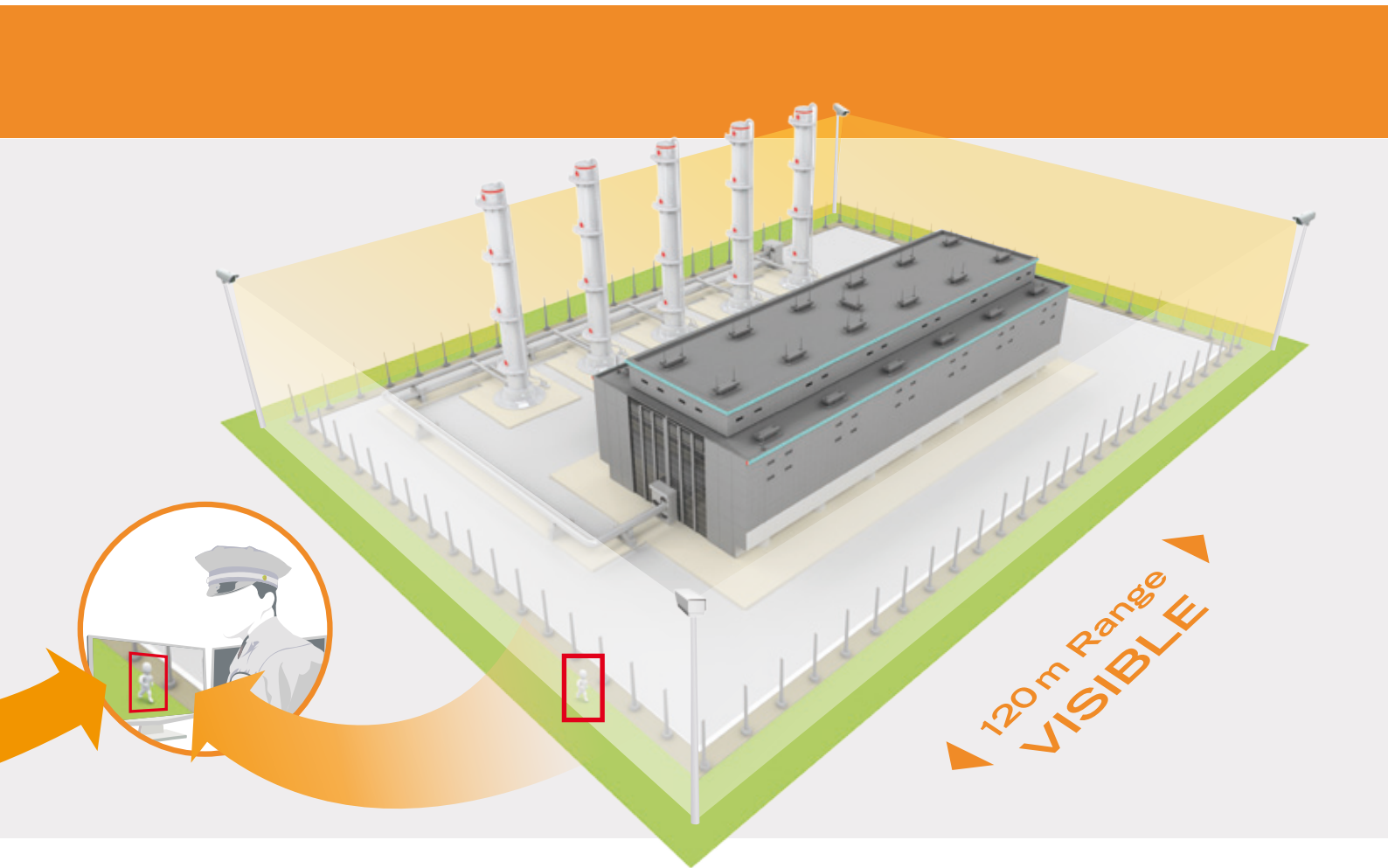
420m
LONG RANGE DETECTION

RANGE TABLE FOR THERMAL CAMERAS

f [mm]	Pixel pitch [μm]	Sensor [px]	HFOV [o]**	Blind distance [m]	Distance [m]
19	25	320 x 240	24°	12	180
19	25	384 x 288	28°	10	180
19	17	320 x 240	16°	15	195
19	17	336 x 256	17°	14	195
25	25	384 x 288	22°	13	225
35	25	320 x 240	13°	23	300
35	25	384 x 288	16°	20	305
35	17	320 x 240	9°	28	330
35	17	384 x 288	11°	23	330
35	17	336 x 256	9°	27	330
37	25	384 x 288	15°	20	315
50	25	320 x 240	9°	31	405
50	25	384 x 288	11°	25	405
50	17	320 x 240	6°	37	440
65	25	320 x 240	7°	41	490
60	17	384 x 288	6°	37	505

120m
LONG RANGE DETECTION

RANGE TABLE FOR VISIBLE CAMERAS

	f [mm]	H [m]	Sensor	HFOV [o]**	Blind distance [m]	Distance [m]
Standard View	20	3	(1/3)"	14°	16	120
Corridor View	20	3	(1/3)"	10°	12	120

* Camera placed at a height of 4m from the ground. Maximum range obtained for 1.8m height of a person located at the top of the image. The distance will reduce significantly in adverse weather conditions. 2° temperature difference required. ** HFOV indicates Horizontal Field Of View.

TECHNICAL DATA SHEET

DAVANTIS
Smarter thinking in video analytics

General characteristics

Video analytics	Detection of people, vehicles, loitering, tampering.
Channels supported	DV02LR 2 channel LR hybrid video analytics server DV03LR 3 channel LR hybrid video analytics server DV04LR 4 channel LR hybrid video analytics server DV05LR 5 channel LR hybrid video analytics server DV06LR 6 channel LR hybrid video analytics server
Security rules per camera	Unlimited
Management software	Pre-installed monitoring application

Video

Video card A / D converter	PCIe card
Video recording format	WMV, MP4 , AVI and JPEG, CIF, 9 fps/ch, pre and post alarm
Video display	Up to 16 cameras displayed simultaneously MPEG4, CIF, 9 fps/ch, color
Compatible cameras	Analogue (PAL / NTSC) IP: ONVIF, RSTP Protocol, ACTi, AMG, Arecont, Avermedia, Avigilon, Axis, Bosch, Canon, Dahua, D-Link, DRS, Eneo, Flir, Geovision, Grundig, Hikvision, Honeywell, Idis, IndigoVision, Infinova, Interlogix, Ionodes, JVC, LG, Lilin, Mobotix, Opgal, Panasonic, Pelco, Pixord, Samsung, Sony, Telefunken, Toshiba, Vivotek, Xenics. ** Please check detailed information for special models such as multi-lens cameras, panoramic cameras, etc.* *** New brands and new camera models supported on-demand.*

Connections

|	
USB	6 x USB 2.0 connectors and 2 x USB 3.0 connectors
Monitor	2 x VGA connections (1 front and 1 back) and 1 x HDMI connectors back
Camera connections	BNC and RJ45 connectors
Input activation signal	8/16 x inputs N/O or N/C (dry contact) per site
Network connection	RJ45 (Ethernet 10/100/1000 Mbps)
Communication protocols	TCP/IP, SMTP
Input and output ports	Input: 900, 5500, 21000 (customizable) Output: 9034, 465 (customizable)
Data protection	Digital signature
Audio connector	1 x output: stereo line out, 3.5mm Jack connector

Technical specifications

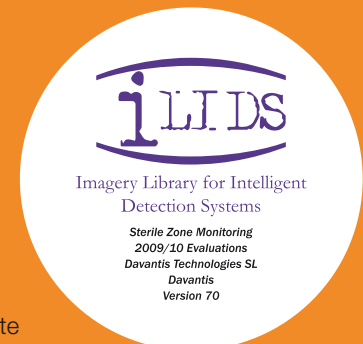|	
Processor	INTEL
Memory (RAM)	2.00 / 4.00 / 8.00 / 16.00 GB
Hard drive	High performance SATA / SSD (Solid State Drive)
Power supply	350W. 100 - 240 V AC / 60 - 50 Hz ± 10 %
Power consumption	Approx. 130 W at full load
Power cord and plug	1.5m cable with IEC connector
Environmental class	II (Indoor - General)
Storage temperature	-10°C to + 60°C with a relative humidity of 5% 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 in mm	482 x 90 x 300 (W x H x D) (19" x 2U for rack-mount)
Package dimensions in mm	560 x 170 x 590 (W x H x D)
Weight	6 kg

Optional

Relay outputs	REL4I, REL8I internal relay outputs N/C. 5amps @12V DC REL12I, REL16I internal relay output N/C. 5amps @12V DC
Supervision kit	19" monitor (VGA), keyboard and mouse (USB)
CMS-Application	Alarm-Management-Software for CMS or control room with ClickThru™ simplicity

DAVANTIS
Smarter thinking in video analytics

1	2 x USB 2.0 connections
2	1 x VGA connection
3	1 x On/Off switch
4	8 /12 x BNC connections
5	1 x HDMI connection
6	4 x USB 2.0 connections
7	2 x USB 3.0 connections
8	1 x RJ45 Internet connection
9	1 x audio Jack 3.5 input/output port
10	8 x inputs N/O or N/C
11	8 x inputs N/O or N/C (optional)
12	1 x VGA connection
13	4/8/12/16 x internal relay outputs N/C (optional)
14	1 x slot for power cable
15	1 x On/Off switch for power supply
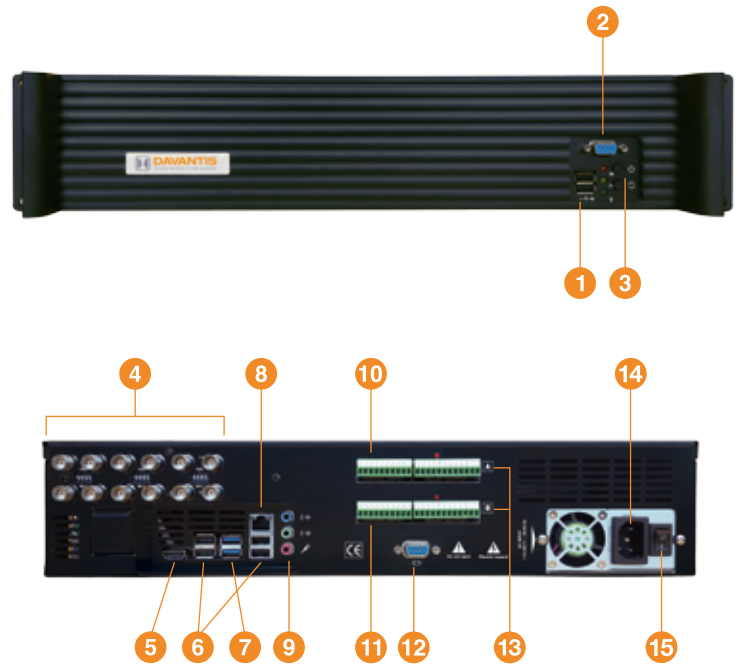
- **Easy and fast set-up**. It takes less than 5 minutes to configure each camera using our patented SmartWalk technology, which automatically computes the viewing scene model simply by walking in front of the camera.

- **Best detection with few false alarms**. Our product is certified by the United Kingdom Home Office as "i-LIDS approved primary detection system for operational alert use in sterile zone monitoring applications".

- **Great simplicity for CMS (Central Monitoring Station)**. At the heart of every Davantis system sits our **ClickThru™ technology**, a uniquely clever and simple 3 mouse clicks alarm management system embedded within the monitoring station.

- **Excellent service and support**. Our multi-language help desk provides immediate technical support for problems and questions. We can also help to configure a system remotely when needed.

i-LIDS
Imagery Library for Intelligent Detection Systems
Sterile Zone Monitoring
2009/10 Evaluations
Davantis Technologies SL
Davantis
Version 70

Davantis Daview LR is a powerful video analytics system designed for the connection of thermal imaging and visible cameras.

This video analytics system is ideal for large scale areas and outdoor properties with security guards, with either their own control room, or a link to a CMS (central monitoring station).

Because of the variety of lenses available on Thermal cameras it is possible to monitor larger distances with fewer cameras.

The master slave network Model allows easy management and configuration once all the units are configured on the network.

By default, the analytics server is equipped with 8 inputs (and 8 optional) to connect the alarm panel and simultaneously arm and disarm the entire system or specific areas.

The analytics server has the option of sounding the alarm with relay outputs for connecting external devices, such as a siren or lights, which can be activated by private security guards or by linking to a CMS.

The relays may also be used as Contact ID to send to a CMS.

The high performance of this video analytics system is particularly suitable for demanding customers seeking an effective solution. It is one of the most powerful perimeter protection systems on the market.

Davantis at the cutting Edge

DAVANTIS
Smarter thinking in video analytics

DAVANTIS TECHNOLOGIES · BCN
Eureka Building
08193 Bellaterra · Barcelona · Spain
Sales (+34) 93 586 8993
Support (+34) 93 586 8990
UK (+44) 1772 332908
smarterthinking@davantis.com

DAVANTIS TECHNOLOGIES · MAD
Fuerteventura, 4 · P. baja
28703 S.S. de los Reyes
Madrid · Spain
(+34) 91 829 41 86
info@davantis.com