Dallmeier

DOMERA®

BEYOND THE IMAGE.

INTELLIGENT   PICTURE-PERFECT   VERSATILE

MADE IN GERMANY

See more.

PIONEERING VIDEO TECHNOLOGY 'MADE IN GERMANY'

100% DEVELOPED AND MANUFACTURED IN REGENSBURG, GERMANY

WHY 'MADE IN GERMANY' OR 'MADE IN EUROPE' ARE BECOMING MORE AND MORE OF A QUALITY SEAL

The label 'Made in Germany', which is often perceived as old-fashioned, is experiencing an amazing renaissance – especially among customers of B2B video technology solutions. **Reliable supply chains, cybersecurity** and **privacy** are the most important key words here.

With **100% 'Made in Germany'**, we guarantee our customers the highest standards in these important fields. **Quality, proximity of suppliers** and our **'Green Global Security'** philosophy also ensure sustainability and environmental protection.

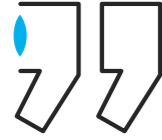Qualification and short distances as locational factors

Maximum vertical range of manufacture also means maximum cybersecurity and data protection

MADE IN GERMANY

PIONEERING VIDEO TECHNOLOGY FROM GERMANY

WHY CHOOSING A GOOD CAMERA IS SIMPLY NOT ENOUGH.

'My ambition and at the same time my task as CTO at Dallmeier is to develop products that offer real added value for the customer and are at the same time discussed on the market. In this respect, probably the greatest challenge for European companies is to perform a real miracle: Reconciling the highest quality standards, competitive prices, ethical responsibility and labor costs.

We achieve this by combining quality and innovation as part of our "100% Made in Germany" strategy: quality means durability and low maintenance. Innovation saves costs through efficiency and functionality.'

Thomas Reisinger,
Chief Technical Officer (CTO), Dallmeier electronic

GDPR AND CYBERSECURITY

Cybersecurity and data protection play an increasingly important role in today's investment decisions. Dallmeiers' systems meet the highest standards for data protection and have all state-of-the-art features for cybersecurity. On the technical side, we ensure this with regularly executed standardised security tests by external experts. On the political side, we make sure we develop, manufacture and support our products and solutions under 100% constitutional and democratic political framework conditions.

GREEN GLOBAL SECURITY

Dallmeier has long been a certified company for energy efficiency after ISO 50001 and for sustainable environmental management after ISO 14001. In the spirit of 'Green Global Security', waste avoidance and low energy consumption in the production process are just as much part of the corporate philosophy as long life cycles and high energy efficiency of our products.

ETHICAL RESPONSIBILITY

Against the backdrop of geopolitical changes, the aspect of ethical responsibility is becoming more and more important. Companies are increasingly asking themselves what consequences their investment decisions have on the human rights situation in other parts of the world. We adhere to the highest standards in our supply chain and develop, produce and manufacture our soft- and hardware systems in Regensburg, Germany.

MADE IN GERMANY

GIT SECURITY AWARD 2023 WINNER

reddot winner 2022

DOMERA® – BEYOND THE IMAGE.

PROBABLY THE MOST VERSATILE CAMERA IN THE WORLD

The DOMERA® camera series offers a unique combination of:

- **AI-based video analytics**
  for a variety of analytics applications with
  'Deep AI' object classification in the camera

- **Innovative lighting system**
  without the lighting issues of conventional dome cameras

- **Motorised three-axis adjustment**
  for easy setting and readjustment via remote access
  (Dallmeier **R**emote **Po**sitioning **D**ome, **RPoD**)

- **Modular housing and mounting system**
  for an extremely time-saving assembly and setup,
  minimal inventory and low training requirements

- **Support of ONVIF profiles M, S and T**
  for integration into almost any Video Management System (VMS)

With DOMERA®, more than 90% of all typical video applications can be implemented indoor and outdoor – including maximum quality and security as well as minimum Total Cost of Ownership (TCO).

INTELLIGENT
From image to result

DOMERA® OS
for a wide range of analytics applications,
highest cybersecurity and easy configuration.

- AI object classification for
  accurate results

- Wide variatey of analytics applications

- Triggering of events via MQTT, relays, etc.

- Premium maintenance package including updates
  for the neural network

- A dedicated camera operating system for
  maximum security and functionality
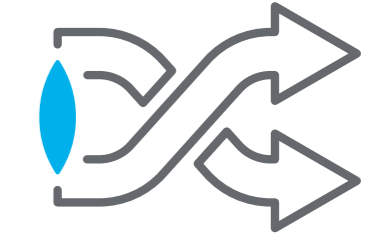
PICTURE-PERFECT
Don't miss a thing
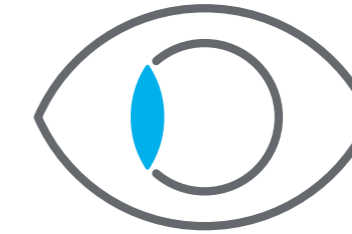
Smart technologies
for maximum image quality and
optimal lighting in every situation.

- Latest SoC technology

- Adaptive IR and white light LEDs
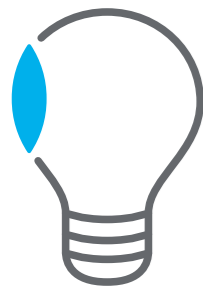
- Utmost light sensitivity

- True HDR

VERSATILE
100 % adaptable

DOMERA® RPoD technology & mounting system
for easy installation and quick readjustment
via remote access.

- Easy mounting, installation and
  motorised three-axis adjustment

- Maximum flexibility

- Fits every customer environment

- Widest variety of mounting, housing
  and lighting options
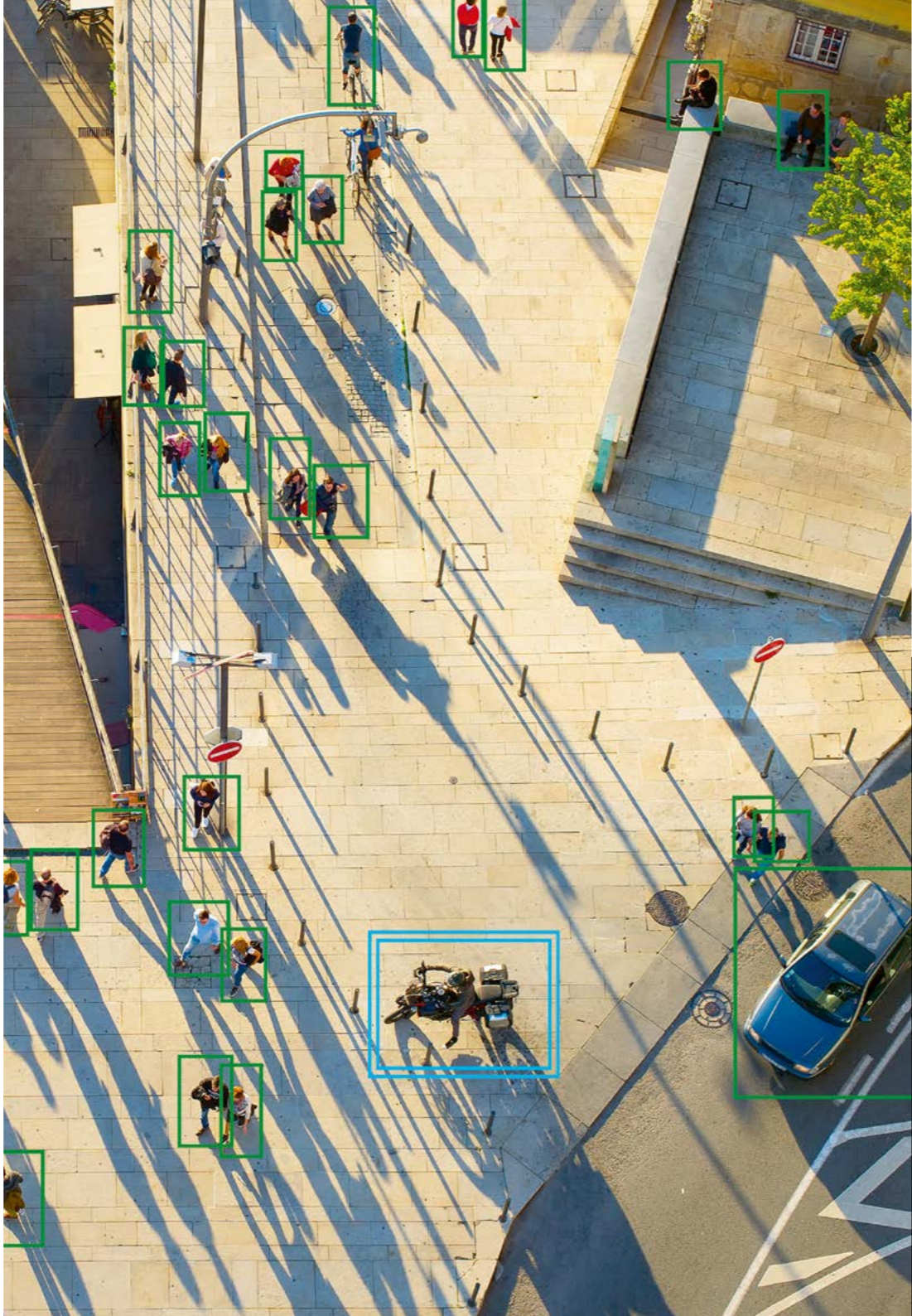
INTELLIGENT
AI ANALYSIS WITH DEEP AI OBJECT CLASSIFICATION

DOMERA® cameras are equipped with the latest SoC technology and intensively trained neural networks.

They capture images in high resolution and analyse them independently of movements in the background (green areas, water surfaces, etc.).

Defined objects (people, vehicles, etc.) are classified in real time.

- **Deep AI object classification**
  based on pre-installed neural networks

- **Integrated EdgeAnalytics apps**
  for a wide range of applications

- **Regular updates**
  of the neural networks

- **Customised neural networks**
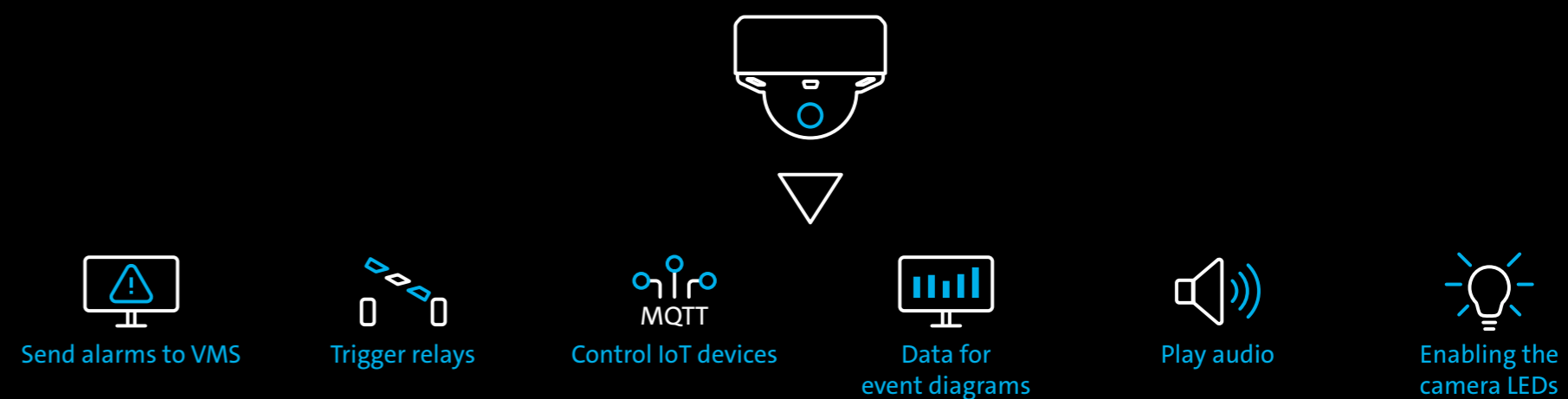 if desired, within the framework of a development partnership
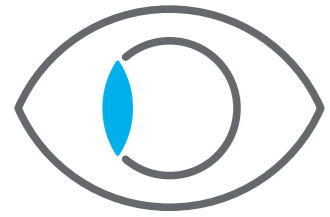
CUSTOMISED ANALYTICS
WHICH ANALYTICS APPLICATION WILL SOLVE YOUR PROBLEM?

CAMERA-BASED PEOPLE COUNTING

SMART MOTION DETECTION · VEHICLE SEARCH · FENCE GUARD

MOTION GUARD

PERIMETER PROTECTION · NO-PARKING ZONES

LICENSE PLATE VERIFIER · 'TRIPWIRE' FUNCTIONALITY

LOITERING GUARD · OBJECT ANALYTICS

WRONG WAY DETECTION 'SMALL'

'ACTIVE ALARM' WITH VOICE MESSAGE

OUTPUT OF ANALYTICS DATA
VIA MQTT AND OTHER PROTOCOLS

Send alarms to VMS	Trigger relays	Control IoT devices MQTT	Data for event diagrams	Play audio	Enabling the camera LEDs

PICTURE-PERFECT

IDEAL IMAGE QUALITY IN EVERY SITUATION

A unique combination of features ensures outstanding image quality even in difficult conditions.

- **True HDR & latest chip generation**
  for optimal dynamics

- **IR or white light outside the bubble**
  no stray light, maximum contrast

- **Adaptive lighting**
  can be individually adjusted according to
  the position of the camera lens

- **Maximum details**
  capture any environment with up to 4K resolution

- **Maximum light sensitivity**
  optimal image quality in any light situation

- **RPoD – Remote Positioning Dome**
  for easy alignment and readjustment via
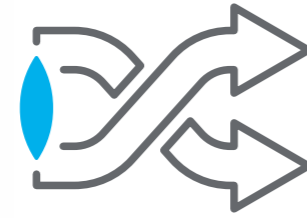 remote access from any web browser

DOMERA®   PREVIOUS MODEL

Improved low-light performance

Alignment and readjustment of the camera remotely

VERSATILE
PERFECTLY EQUIPPED FOR EVERY APPLICATION

Theoretically, more than 300 different product variants can be 'built' with DOMERA® components. This is made possible by a well thought-out system of five camera bases and various lighting rings, as well as different housing and mounting variants.

For end customers and installers, this means less time spent on implementation, minimal stock-keeping and low training effort.

- **Modular system**
  with camera bases, lighting covers, adapters and mounting options

- **Dallmeier 'only one Allen key' philosophy**
  saves time and cost during installation and maintenance

- **Easy replacement and retrofit**
  same mounting and screw holes spacing as the previous models

- **Browser-based installation and orientation**
  without additional software

- **Optional integrated speaker**
  for live public address or event-triggered audio playback

- **Energy-efficient**
  thanks to standard PoE (Power over Ethernet)

MORE THAN
300
VARIANTS

3 x **4** x **5** x **6**

ADAPTERS   COVERS   CAMERA BASES   MOUNTING OPTIONS

INDUSTRY-WIDE UNIQUE COMBINATION

PROBABLY THE MOST VERSATILE CAMERA IN THE WORLD

DOMERA®: A NEW GENERATION OF DOME CAMERAS

The DOMERA® camera series features high image quality with up to 4K resolution, HDR functionality and very high light sensitivity.
This makes the cameras ideal for indoor and outdoor use – even under difficult lighting conditions.

Adaptive IR / White Light

3 RPoD

ADAPTIVE IR AND WHITELIGHT:
LONGER MAINTENANCE INTERVALS

The adaptive IR and white light LEDs are mounted in the Dual Matrix LED Ring outside the bubble and can be controlled individually. This allows users to prevent, for example, overexposure and reflections or to additionally illuminate dark areas in a targeted manner.

Depending on requirements, it is possible to switch dynamically between IR and white light illumination, e.g. to deter detected objects. The dome housing and the external mounting of the LEDs make it more difficult for spiders to settle down. In addition, there are significantly fewer light reflections, e.g. due to scratches. Both of these features significantly extend the maintenance intervals.

DALLMEIER RPOD:
CAMERA ORIENTATION AND READJUSTMENT VIA REMOTE ACCESS

The motorised three-axis adjustment with the Dallmeier RPoD ensures timesaving commissioning. Its PTRZ (Pan Tilt Roll Zoom) function allows users to adjust the image section remotely and still change it at a later time. A 90-degree rotation for the corridor mode can also be realised with only a mouse click. The complete setup of the camera is browser-based and requires no additional software.

> **WHAT ABOUT THE SPIDER AND THE MAINTENANCE INTERVAL?**
>
> For classic box cameras with a sunshield and IR lighting the regular removal of spider webs is an enormous cost factor. Not anymore with the DOMERA® dome housing.

Adaptive IR / White Light

IR / WHITE LIGHT

EXTERNAL
DUAL MATRIX LED RING

3 RPoD

RPOD

REMOTE
POSITIONING DOME

DOMERA®

RDF 6800 DN

HIGHEST RESOLUTION COMBINED WITH ARTIFICIAL INTELLIGENCE

AI Inside

Corridor Mode

Adaptive IR

Adaptive White Light

3 RPoD

4K Ultra Hi-Res

MODEL HIGHLIGHTS

- Resolution 8 MP (4K)
- Deep AI object classification
- EdgeAnalytics AI Apps

- PTRZ three-axis adjustment
- DOMERA® mounting system
- Adaptive IR / white light[1]

TECHNICAL DATA

Lens	F1.3 / 4.5–9.7 mm	F1.8 / 12–40 mm
Angle of view horizontal	110°–47°	35.2°–12.1°
Amount sensor pixel	8 Megapixel	
Light sensitivity	< 0.05 lux (AGC ON)	
360° IR / white light	✓[1]/ ✓[1]	
Axis adjustment motorised	✓	
AI EdgeAnalytics	✓	
Corridor mode	✓	
Audio I/O	✓[1]	

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DOMERA®

RDF 6400 DN

HIGHEST LIGHT SENSITIVITY WITH ARTIFICIAL INTELLIGENCE

AI Inside

Corridor Mode

Adaptive IR

Adaptive White Light

3 RPoD

Ultra Low-Light

MODEL HIGHLIGHTS

- 4 MP resolution with high light sensitivity
- Deep AI object classification
- EdgeAnalytics AI apps

- PTRZ three-axis adjustment
- DOMERA® mounting system
- Adaptive IR / white light[1]

TECHNICAL DATA

Lens	F1.3 / 4.5–9.7 mm	F1.8 / 12–40 mm
Angle of view horizontal	111.2°–47.5°	36.1°–12.4°
Amount sensor pixel	4 Megapixel	
Light sensitivity	< 0,0005 lux (AGC ON)	
360° IR / white light	✓[1]/ ✓[1]	
Axis adjustment motorised	✓	
AI EdgeAnalytics	✓	
Corridor mode	✓	
Audio I/O	✓[1]	

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DOMERA®

RDF 5140 DN

HIGH RESOLUTION WITH
MOTORISED THREE-AXIS ADJUSTMENT

MODEL HIGHLIGHTS

- **Resolution 5 MP**
- **Video compression H.265**
- **VCA EdgeAnalytics**
- **PTRZ three-axis adjustment**
- **DOMERA® mounting system**
- **Adaptive IR / white light** [1]

TECHNICAL DATA

Lens	F1.4 / 3–10 mm	F1.8 / 12–40 mm
Angle of view horizontal	111.0°–31.9°	23.8°–8.3°
Amount sensor pixel	5 Megapixel	
Light sensitivity	< 0.03 lux (AGC ON)	
360° IR / white light	✓[1]/ ✓[1]	
Axis adjustment motorised	✓	
AI EdgeAnalytics	–	
Corridor mode	✓	
Audio I/O	–	

3 RPoD

Adaptive IR

Low-Light

Corridor Mode

Adaptive White Light

DOMERA®

RDF 5120 DN

HIGH LIGHT SENSITIVITY WITH
MOTORISED THREE-AXIS ADJUSTMENT

MODEL HIGHLIGHTS

- **Resolution 2 MP**
- **Video compression H.265**
- **VCA EdgeAnalytics**
- **PTRZ three-axis adjustment**
- **DOMERA® mounting system**
- **Adaptive IR / white light** [1]

TECHNICAL DATA

Lens	F1.4 / 3–10 mm	F1.8 / 12–40 mm
Angle of view horizontal	111.0°–31.9°	23.8°–8.3°
Amount sensor pixel	2 Megapixel	
Light sensitivity	< 0.03 lux (AGC ON)	
360° IR / white light	✓[1]/ ✓[1]	
Axis adjustment motorised	✓	
AI EdgeAnalytics	–	
Corridor mode	✓	
Audio I/O	–	

3 RPoD

Adaptive IR

Low-Light

Corridor Mode

Adaptive White Light

DOMERA®

RDF 5140 DN (E)

REVOLUTIONARY DOMERA® SYSTEM
AT AN ATTRACTIVE PRICE

⟳ 3 RPoD[2]   IR Adaptive IR   ☾✩ Low-Light

MODEL HIGHLIGHTS

- **Resolution 5 MP**
- **Video compression H.265**
- **VCA EdgeAnalytics**

- **PTRZ three-axis adjustment[2]**
- **DOMERA® mounting system**

TECHNICAL DATA

Lens	F1.4 / 3–10 mm	F1.8 / 12–40 mm
Angle of view horizontal	111.0°–31.9°	23.8°–8.3°
Amount sensor pixel	5 Megapixel	
Light sensitivity	< 0.03 lux (AGC ON)	
360° IR / white light	✓[1] / –	
Axis adjustment motorised	✓[2]	
AI EdgeAnalytics	–	
Corridor mode	–	
Audio I/O	–	

1 Optional   2 Third axis (roll) up to approx. 45°

DOMERA®

RDF 5120 DN (E)

REVOLUTIONARY DOMERA® SYSTEM
AT AN ATTRACTIVE PRICE

⟳ 3 RPoD[2]   IR Adaptive IR   ☾✩ Low-Light

MODEL HIGHLIGHTS

- **Resolution 2 MP**
- **Video compression H.265**
- **VCA EdgeAnalytics**

- **PTRZ three-axis adjustment[2]**
- **DOMERA® mounting system**

TECHNICAL DATA

Lens	F1.4 / 3–10 mm	F1.8 / 12–40 mm
Angle of view horizontal	111.0°–31.9°	23.8°–8.3°
Amount sensor pixel	2 Megapixel	
Light sensitivity	< 0.03 lux (AGC ON)	
360° IR / white light	✓[1] / –	
Axis adjustment motorised	✓[2]	
AI EdgeAnalytics	–	
Corridor mode	–	
Audio I/O	–	

1 Optional   2 Third axis (roll) up to approx. 45°

DOMERA®

SDF 6800 DN

HIGHEST RESOLUTION IN 360° WITH VARIABLE MOUNTING SYSTEM

AI Inside

4K Ultra Hi-Res

Adaptive White Light

Adaptive IR

MODEL HIGHLIGHTS

- Resolution 8 MP (4K)
- Deep AI object classification
- EdgeAnalytics AI Apps
- Fisheye lens
- DOMERA® mounting system
- Adaptive IR / white light[1]

TECHNICAL DATA

Lens	F2.8 / 1.6 mm Fisheye
Angle of view horizontal	360°
Amount sensor pixel	8 Megapixel
Light sensitivity	< 0.05 lux (AGC ON)
360° IR / white light	✓[1]/ ✓[1]
Axis adjustment motorised	–
AI EdgeAnalytics	✓
Corridor mode	–
Audio I/O	✓[1]

1   Optional

THE DOMERA® SERIES AT A GLANCE

EASILY REALISE OVER 90% OF ALL TYPICAL VIDEO APPLICATIONS

	RDF6800DN		RDF6400DN		RDF5140DN		RDF5120DN		RDF5140DN (E)		RDF5120DN (E)		SDF6800DN
Amount sensor pixel	8 Megapixel		4 Megapixel		5 Megapixel		2 Megapixel		5 Megapixel		2 Megapixel		8 Megapixel
Lens	F1.3 / 4.5–9.7 mm	F1.8 / 12–40 mm	F1.3 / 4.5–9.7 mm	F1.8 / 12–40 mm	F1.4 / 3–10 mm	F1.8 / 12–40 mm	F1.4 / 3–10 mm	F1.8 / 12–40 mm	F1.4 / 3–10 mm	F1.8 / 12–40 mm	F1.4 / 3–10 mm	F1.8 / 12–40 mm	F2.8 / 1.6 mm Fisheye
Angle of view horizontal	110°–47°	35.2°–12.1°	111.2°–47.5°	36.1°–12.4°	111.0°–31.9°	23.8°–8.3°	111.0°–31.9°	23.8°–8.3°	111.0°–31.9°	23.8°–8.3°	111.0°–31.9°	23.8°–8.3°	360°
Maximum resolution	3840 x 2160		2688 x 1520		2592 x 1944		1920 x 1080		2592 x 1944		1920 x 1080		2880 x 2880
Light sensitivity	< 0.05 lux (AGC ON)		< 0.0005 lux (AGC ON)		< 0.03 lux (AGC ON)		< 0.03 lux (AGC ON)		< 0.03 lux (AGC ON)		< 0.03 lux (AGC ON)		< 0.05 lux (AGC ON)
VCA EdgeAnalytics	✓		✓		✓		✓		✓		✓		✓
AI EdgeAnalytics	✓		✓		–		–		–		–		✓
Axis adjustment motorised	✓		✓		✓		✓		✓[2]		✓[2]		–
Corridor mode	✓		✓		✓		✓		–		–		–
Adaptive IR / white light	360° ✓[1] / 360° ✓[1]		360° ✓[1] / 360° ✓[1]		360° ✓[1] / 360° ✓[1]		360° ✓[1] / 360° ✓[1]		180° ✓[1] / –		180° ✓[1] / –		360° ✓[1] / 360° ✓[1]
ONVIF Profile	M / S / T		M / S / T		S / T		S / T		S		S		M / S / T
Audio I/O	✓[1]		✓[1]		–		–		–		–		✓[1]
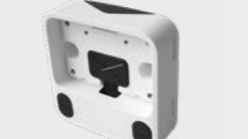
1   Optional

1   Optional   2   Third axis (roll) up to approx. 45°

DOMERA® ACCESSORIES – HIGHLIGHTS

EASILY REALISE OVER 90% OF ALL TYPICAL VIDEO APPLICATIONS

Lighting	
	DOMERA® Dual Matrix LED Ring
	DOMERA® IR LED Stripe
Housing cover	
	DOMERA® Housing Cover Aluminium LED Black
	DOMERA® Housing Cover Aluminium Black
	DOMERA® Housing Cover Aluminium White

Adapter	
	DOMERA® Surface Mount Adapter
	DOMERA® Wall Bracket
	DOMERA® Wall Bracket with Speaker
MOUNTERA® accessories	
	MOUNTERA® Vandalproof Pole Adapter
	MOUNTERA® Box

DOMERA® LICENCING

THE RIGHT LICENCE PACKAGE FOR YOU

BASIC PACKAGE	PREMIUM PACKAGE	SINGLE LICENCES	SINGLE LICENCES
• Updates maintenance (1 year) • Security Domera® OS • Features Domera® OS • Features Essential AI Apps • New Essential AI Apps • Quality Essential AI Networks	• Updates maintenance (5x 1 year) • Security Domera® OS • Features Domera® OS • Features Essential AI Apps • New Essential AI Apps • Quality Essential AI Networks	• Updates maintenance (5x 1 year) • Security Domera® OS • Features Domera® OS • Features Essential AI Apps • New Essential AI Apps • Quality Essential AI Networks	• Updates maintenance (5x 1 year) • Security Domera® OS • Features Domera® OS • Features Essential AI Apps • New Essential AI Apps • Quality Essential AI Networks
• Warranty (2 years) • Hardware • Bring-in	• Warranty (5 years) • Hardware • Bring-in	• Warranty (5 years) • Hardware • Bring-in	
• Essential AI Apps (30 days) • AI Motion Detection • AI Tamper Detection • AI Intrusion Detection • AI Line Crossing	• Essential AI Apps (unlimited) • AI Motion Detection • AI Tamper Detection • AI Intrusion Detection • AI Line Crossing		

Interactive Product Page
www.domera.ai

> SEE DOMERA®
IN ACTION

Dallmeier

Dedicated to quality. Driven by passion.

MADE IN GERMANY

See more.