Mountera® Box with SRS Edge

Mountera® Box for the recording of up to 16 video streams, for decentralized use
in close proximity to Panomera® systems, compact, fanless, energy efficient, SSD memory

SMAVIA PRELOADED

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Fanless	Low Power (15W energy)	Weatherproof	Channels (16)	FPS @ UHD (30)	PRemote-HD	VCA Database	Encoding (H265)	SmartBackfill	Privacy	Security

The **Mountera® Box with SRS Edge** combines the robust box of the innovative Mountera® Quick-Lock System with a **SMAVIA Recording Server** Appliance. The **fanless and energy efficient server hardware** offers excellent **passive cooling** and allows **recording of up to 16 high-resolution video streams** at a **frame rate of 30 fps**.

Panomera®

The **Mountera® Box with SRS Edge** has been especially developed for the **decentralized and bandwidth-saving use** in close proximity to Panomera® multifocal sensor systems. All Panomera® video streams are stored locally and directly. The license for the recording of a Panomera® system is already included in the scope of delivery. The access for live viewing and playback over the network is uniformly established via **SMAVIA Recording Server**.

Storage System

The **Mountera® Box with SRS Edge** is equipped ex works with a highly efficient and solidly installed **SSD memory**. This allows high storage speeds even in the elevated temperature range and is used exclusively **for recording**. The hardened **Linux operating system** and the **SMAVIA Recording Server** application are installed on a separate flash module.

SMAVIA Viewing Client

SMAVIA Viewing Client allows independent and convenient evaluation of the recordings over the network. The software can be installed on workstations with Windows operating system and adjusted individually. Two **licenses** for access with clients are already **included in the scope of delivery** of the appliance.

PRemote-HD

The optional **PRemote-HD** function transcodes high-definition video streams (live and playback) for **transmission in low-bandwidth networks**. This allows the resource-conserving access with SMAVIA Viewing Client or SeMSy® which is independent of the recording settings. The license for PRemote-HD also includes the license for the **DMVC Server** function that provides access with the mobile **Dallmeier Mobile Video Center** app,

VCA Data Base

The appliance is equipped with a **database** for the analysis results of Dallmeier **network cameras with VCA technology**. The **events, objects and classes** sent by the camera are **stored** with the relevant metadata **almost in real-time**. SMAVIA Viewing Client is available for targeted **search and evaluation** with the **SmartFinder** function.

SmartBackfill

Dallmeier network camera is equipped with a **RAM memory** that is used by the **EdgeStorage** function for storing the video stream in case of a network failure (e.g. Spanning Tree, Bursts). When the network is restored, the **SmartBackfill** function ensures fast transmission to the **SMAVIA recording system**. This stores the video stream at high speed and then seamlessly continues the recording of the live stream.

Features Hardware

- Compact, fanless and robust server hardware
- Passive cooling over aluminium housing
- Flash module for operating system and application
- Built-in 2/4 TB M.2 SSD fixed storage ex factory
- Highly efficient system with low power consumption
- Cover secured with alarm contact
- Robust 260 W power supply included
- Adapter for Mountera® Ceiling Bracket included
- Adapter for mounting on a pole included

Features SMAVIA Recording Server

- Recording of up to 16 high-resolution video streams
- License for the recording of a Dallmeier network camera or a Panomera® system included
- Licenses for access with 2 clients included
- Licenses for the update of the software for 24 months included
- Video compression H.265, H.264, MJPEG supported
- Recording of third-party network cameras optional
- Evaluation with DMVC App over WAN/LAN optional
- Evaluation with SMAVIA or SeMSy® over WAN/LAN included
- Basic license for integrated data protection and data security module (GDPR-compliant) included

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Appliance		
	006978	**Mountera® Box with SRS Edge** Mountera® Box with SMAVIA Appliance for recording up to 16 video streams, license for the recording of a Dallmeier network camera or a Panomera® system included, licenses for access from 2 clients included, power supply unit 48 V DC, 5.4 A, 260 W included, IP69, white, without SSD memory module[1]

Option Memory		
	007751	**SSD M.2 NVMe Module 2 TB** Dallmeier certified 2 TB M.2 NVMe SSD memory module, including installation, functional, long-term and final test, acceptance and approval
	008346	**SSD M.2 NVMe Module 4 TB** Dallmeier certified 4 TB M.2 NVMe SSD memory module, including installation, functional, long-term and final test, acceptance and approval

Brackets		
	006979	**Mountera® Wall Bracket** Mountera® bracket for the installation of camera systems on walls or on a Mountera® Box, Quick-Lock System included, robust aluminium construction, internal cable routing, vandal-resistant, powder-coated, white
	006980	**Mountera® Ceiling Bracket** Mountera® bracket for installation of camera systems on ceilings, Quick-Lock System included, robust aluminium construction, internal cable routing, vandal-resistant, powder-coated, height 150 mm, white

Cable Set		
	007428	**Mountera® Cable Set C** Preassembled cable set for the connection of a camera system to a Mountera® Box, 1× cable seal, 1× cable power supply/grounding, 1× cable network (copper RJ45), each with matching plug, UV-resistant and flexible, length 80 cm

[1]   The M.2 SSD memory module is installed at the factory and must be ordered with the appliance. Subsequent installation or replacement is not possible.

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Included Licenses

DLC - 1 Recording Channel
License for the recording of a Dallmeier network camera or a Panomera® system

DLC - 2 Client Access
License for the simultaneous access of two clients to SMAVIA Recording Server (floating license)

DCP - Software Maintenance 24 Months
License for the update of the SMAVIA software for 24 months

DLC - SmartBackfill
License for the storage of video streams that have been buffered by Dallmeier network cameras with EdgeStorage
(not available in combination with DLC - Bank Package and for cameras with recording mode Contact)

DLC - SNMP
License for the integration into a central SNMP device management system

DLC - SeMSy® Flat
License for the integration into a SeMSy® Video Management System

DLC - Multicast Streaming
License for the transmission of video streams via multicast in a SeMSy® video management system

DLC - Multicast Recording
License for the recording of video streams of Dallmeier network cameras using multicast transmission

DLC - Real-Time Recording
License for real-time recording for all video streams (depending on the camera)

DLC - ViProxy Plus
License for the use of the second network interface in conjunction with one of the functions ViProxy (physically separated
network for cameras, WebConfig Routing included)

DLC - Data Protection and Data Security
Basic license for use of the integrated data protection and data security module (GDPR-compliant)

Optional Licenses (Access)

007550	**DLC - 1 Additional Client Access (SRS E)**
	License for simultaneous access of one additional client to SMAVIA Recording Server (floating license)
007551	**DLC - 5 Additional Client Access (SRS E)**
	License for simultaneous access of five additional clients to SMAVIA Recording Server (floating license)
007552	**DLC - 10+ Additional Client Access (unlimited, SRS E)**
	License for simultaneous access of an unlimited number of clients to SMAVIA Recording Server, depending on system load and bandwidth (floating license)

Optional Licenses (Channels)

007553	**DLC - 1 Additional Recording Channel (SRS E)**
	License for the recording of one additional high-definition video stream, maximum 16 video streams in total
007554	**DLC - 3rd Party Package for 1 Recording Channel (SRS E)**
	License for the use of one existing channel for the recording (permanent, contact triggered or with motion detection) of third-party network cameras

Optional Licenses (Functions)

007555	**DLC - PRemote-HD (SRS E)**
	License for the transmission of SD and HD video with low bandwidth, including a dedicated access license[2] as well as the function for access with a mobile app (DMVC Server)

2) The first PRemote client (master) is assigned active control over the PRemote stream; further PRemote clients (slaves) receive the stream passively.

Dallmeier

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	Maintenance and Warranty
007561	**DCP - SW Maintenance 12 Months (SRS E)** License for the update of the SMAVIA software for further 12 months, maximum 60 months in total
007562	**DCP - HW Warranty and SW Maintenance 36 Months (SRS E)** Extension of the bring-in warranty period (without SSD memory) to 36 months in total, and extension of the license for the update of the SMAVIA software to 36 months in total
007563	**DCP - HW Warranty and SW Maintenance 48 Months (SRS E)** Extension of the bring-in warranty period (without SSD memory) to 48 months in total, and extension of the license for the update of the SMAVIA software to 48 months in total
007564	**DCP - HW Warranty and SW Maintenance 60 Months (SRS E)** Extension of the bring-in warranty period (without SSD memory) to 60 months in total, and extension of the license for the update of the SMAVIA software to 60 months in total

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Components	
CPU	Quad-Core
RAM	4 GB
Flash module	32 GB (for operating system and application)
Hard disks	--
Max. storage capacity	2/4 TB M.2 NVMe SSD optional (ex factory only)
Fan[3]	--
Power supply unit	100-240 V AC ±10% -> 48 V DC, 5,4 A, 260 W

Interfaces	
Ethernet 1	RJ45, 10/100/1000 Mbps
Ethernet 2	RJ45, 10/100/1000 Mbps
Contact IN	Alarm contact cover, with galvanic isolation, 4 functions

Protocols	
Ethernet protocols	IPv4 (ARP, ICMP, IGMPv2/IGMPv3), UDP, TCP
Ethernet protocols in preparation	IPv6 (NDP, ICMPv6, MLDv1/MLDv2, SLAAC, RDNSS), UDPv6, TCPv6
Communication protocols	DaVid, DaVidS, HTTP, HTTPS[4], DNS, DHCP, LDAP, NTP, RTSP, RTP, RTCP, SNMP (v1, v2c)
Security	HTTPS[4] encryption, SSL/TLS[4] 1.2 (AES), network access control according to IEEE 802.1X[4]

Electrical Data Power Supply Unit	
Power input voltage	100 – 240 V AC (±10%)
Input current	3.3 – 1.4 A
Mains frequency	50 – 60 Hz (±6%)
Input fuse (F1)	T4 A/250 V AC (5 × 20 mm)
Outputs	Max. 4×
Power output voltage	48 V DC
Output current	5.4 A
Total output power	260 W

Electrical Data SMAVIA Recording Server Appliance	
Voltage supply	48 V DC ±5%
Power consumption	Max. 15 W
Thermal output	Max. 51 BTU/h

Mechanical Data	
Dimensions (W × H × D)	Approx. 255 × 388 × 121 mm (10.0" × 15.3" × 4.8")
Weight	Approx. 8.5 kg (18.7 lb)
Material	Aluminum
Processing	Chromated
Finish	Powder coating, tested for seawater resistance according to DIN EN 60068-2
Color	Signal white (RAL 9003[5])
IP rating	IP69

Environmental Conditions	
Installation sites	Indoor and outdoor
Temperature	-30°C up to +60°C (-22°F – 140°F)
Humidity	0 – 90% RH, non-condensing

Approvals and Certifications	
Type	CE, LGC Forensics, tested according to DIN EN 50130-4

3) The appliance is cooled by waste heat from the housing. Ensure adequate ventilation during operation.
4) This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (http://www.openssl.org) and cryptographic software written by Eric Young (eay@cryptsoft.com).
5) The color of the powder coating may differ slightly from the RAL color indicated. This is due to production and does not constitute a defect.

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Software	
Operating system	Linux (proprietary, hardened)
Application	SMAVIA Recording Server (version 9.12.x)
Application language	English, German, French, Spanish, Italian (others on request)
External management software	SMAVIA Viewing Client DMVC App (optional, license DLC - PRemote-HD (007555) required)
External configuration software	PService3
ONVIF compliance	Profile S
GDPR compliance	Supported

Performance in connection with SRS Edge	
Channels	Up to 16× high definition video streams
Supported cameras	Dallmeier Panomera® multifocal sensor systems Dallmeier network cameras over TCP/DaVid (Dallmeier video protocol) Third-party network cameras with RTSP streaming over UDP/RTP or TCP (optional, license DLC - 3rd Party Package (007554) required)
Track mode	Automatic
Video/Audio compression	H.265, H.264 / G.722.1
Resolutions	Up to 12 MP, depending on the camera
Frame rate per channel	Up to 25/30 fps, depending on the camera
Bit rate per channel	Up to 50 Mbps, depending on the camera
Max. total bit rate	Up to 140 Mbps
Output over network	Up to 8× high definition video streams for playback simultaneous

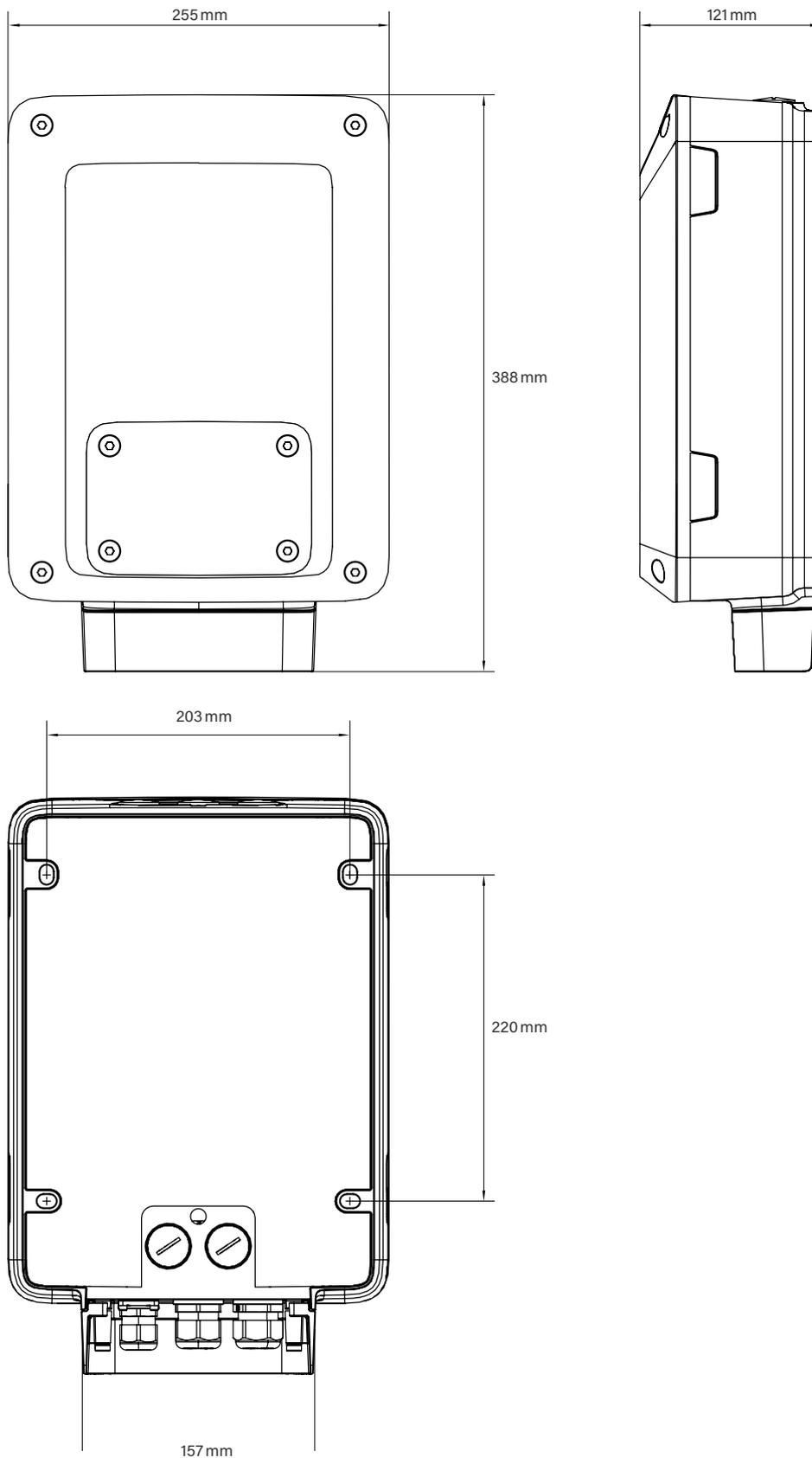| Recording	3rd Party IP Camera	Dallmeier IP Camera
Transport protocol	RTP over UDP	TCP
Communications protocol	RTSP	DaVid
Mode Timer	integrated	integrated
Mode Permanent	integrated	integrated
Mode Contact	integrated	integrated
Mode Motion	integrated	integrated
Mode Motion/Contact	integrated	integrated
Switching mode by timer	--	integrated

Functions	3rd Party IP Camera	Dallmeier IP Camera
Motion detection	integrated	integrated
SmartFinder	integrated	integrated
Video proxy	integrated	integrated
SeMSy® multicast streamer	integrated	integrated
PRemote-HD	integrated	integrated
DMVC Server	integrated	integrated
PTZ control with SVC	integrated	integrated
Audio recording	integrated[7]	integrated
Camera configuration	integrated	integrated
Locking the camera configuration	--	integrated
Recording multicast video streams	--	integrated
EdgeStorage&SmartBackfill	--	integrated
Network scan (IP Finder)	--	integrated
VCA data base	--	integrated

6) Data refer to a fully equipped appliance. Optional licenses are required.
7) Depending on the camera. The audio stream has to be supplied in G.711 format.

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255 mm

388 mm

121 mm

203 mm

220 mm

157 mm

See more.

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