



SiADS Advanced Detection Solution

Video sensor for tunnels

COOA000101
COOA000102

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- **SISTORE SX8 software package for event detection in tunnels**
 - **Detection of smoke and traffic events in video images**
 - **Traffic data collection**
 - **Simultaneous video storage, video transmission and video evaluation**
 - **Network transparent Client / Server architecture**
 - **Cluster management for up to 256 video inputs**

SiADS is a video sensor unit sporting the latest Siemens technology for event detection in tunnels. Building upon the SISTORE SX8 platform, SiADS offers optimal scalability in the network and transparent communication with user clients over TCP/IP. SiADS is used in conjunction with the interactive video management software IVM to compliment all systems converging in the tunnel control center.

- **Video sensor**

In addition to smoke detection, SiADS offers powerful algorithms for detecting slow moving vehicles, stopped vehicles, traffic jams and wrong way drivers.

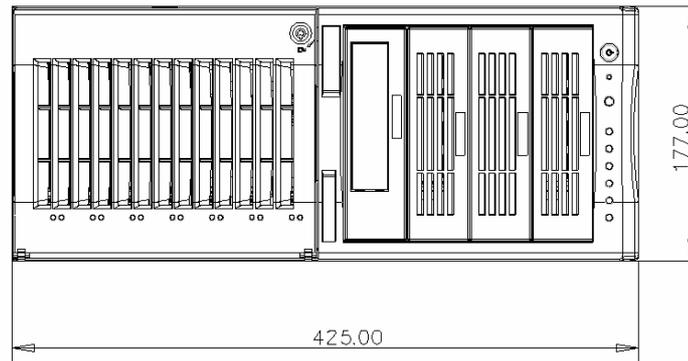
- **Network transparency**

Given its Client/Server architecture and the optional Cluster Server, SiADS operators have access to a virtual, location independent system made up of the various SiADS servers distributed throughout the network.

- **Platform independence**

The client software was implemented entirely in JAVA allowing it to run in a web browser (i.e. operating system independent) or as a application optimized for performance on the Windows operating system.

Dimensions



Technical data

SISTORE SX8 / SiADS

Video inputs

Inputs	8 x PAL, BNC, 75 Ohm
Recording speed	8 x 12,5 ips (max.)
Storage capacity (internal)	250 or 500 GB, IDE, w/o RAID
Storage capacity (external)	1 x SCSI connection for external RAID system*

Videoausgänge

Display formats (streaming)	1 x 1 (full screen), 2 x 2 (quad), 4 x 4 (multi screen) on Client PC
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Alarms

Video signal	Video loss detection with alarm
Smoke detection	per lane
Slow moving vehicles	up to 3 lanes per video input
Stopped vehicles	up to 3 lanes per video input
Traffic jam	up to 3 lanes per video input
Wrong way driver	up to 3 lanes per video input

Traffic data collection

Average vehicle speed	up to 3 lanes per video input
Number of vehicles	up to 3 lanes per video input

Electrical Specifications

Power supply	230 VAC, optional redundant
Power consumption	max. 500 W

Environmental

Operating temperature	+10 to +35 °C (50 to 95 °F)
Relative Humidity	0 to 90% (non-condensing)

Mechanical

Version	19-inch rack, 4U
Dimensions (W x H x D)	425 x 177 x 615 mm
Weight	35.00 kg

Details for ordering

Type	Part no.	Designation	Weight
SISTORE SX8 250*	2GF4818-8AA	Digital recorder, 8 cameras, 250 GB	35.00 kg
SISTORE SX8 500	2GF4818-8AB	Digital recorder, 8 cameras, 500 GB	35.00 kg
COOA000101	2GF4818-8DA	SiADS license traffic	-
COOA000102	2GF4818-8DB	SiADS license smoke	-

*SISTORE SX basic configuration for extension with an external RAID.