

# VIDEO RECORDER X-DVRS+

## ON-BOARD VIDEO SECURITY SYSTEM



## FEATURES

- Specially designed for mobile rail and road applications
- Automated self-diagnostic (e.G. File system check, temperature)
- Automated fail over mechanism on up to 1 TByte SD card
- NAS partitions over the network
- 3x 1 Gbit network (M12 x coded)
- Throughput up to 160 Mbit/s
- Up to 120 camera streams (3 streams per channel)
- Automatic IP camera configuration via ONVIF profil
- Internal power backup (optional board)



## ALL VIDEO SAVED CORRECTLY

The X-DVRS+ is capable to store the streams of all your installed IP cameras and this for a long period of time. The analysis of multiple streams of one camera is possible.

A comprehensive toolset helps you to select and analyze your recorded data.

Several resolution formats as well as several interface options are being offered for flexible adaptation to customer needs.

X-DVRS+ includes a RTC, embedded LINUX OS and offers a removable dual disk drive locked by key drive and can offer:

- Up to 16 TB SSD in total based on SATA-3 6GB interface.
- SD card that can range from 32GB up to 1TB.

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### TECHNICAL DATA

<b>Electrical properties</b>							
Power Consumption	Nom. voltage: 24 VDC to 110 VDC, Power consumption: ≤ 20W						
<b>Interfaces</b>							
Video inputs	Up to 40 IP camera streams						
Video recording	Continuous- and event recording Digital video (IP): Up to 1.200fps, of up to 160 Mbit/s throughput (use case based) Resolution: up to 32MP Format: H.264, H.265 Additional data: IP Audio, IBIS VDV 300/301, event data, GPS data, G-force						
Video decoding	Continuous video decoding (H.264) Frame rate, resolution and picture quality configurable per channel Resolution: CIF, D1 Number of streams at the same time: 40 times D1@25fps						
Ethernet	3 x Ethernet, M12, 10/100/1000Mbps, (x-coded)						
IBIS (VDV 301)	1 x						
USB	1 x USB 2.0 Type-A Host (system, config, SW update and diagnostic)						
LED	9 x LED (display of system status)						
Power supply input	1 x Power supply input (vehicle battery)						
Cabin active	1 x cabin active (power up and power down the system)						
<b>Optional:</b>							
Digital Out	4 x Digital Out (GPO, open collector, for external LED box)						
Contact In	16 x Contact In (GPI, contact to ground or voltage level controlled)						
IBIS (VDV 300)	1 x						
GPS	1 x GPS Module						
Relay	2 x Relay (SPDT, max. 220V DC, 2A, 60W)						
<b>Mechanical properties</b>							
Dimensions	W x H x D: 262 mm x 75 mm x 214 mm						
<b>Environment</b>							
Operating Temperature	-40°C...+70°C EN 50155 Class OT4						
Storage Temperature	-40°C...+85°C						
Temperature controlled recording design	<table border="1"> <tr> <td>-40°C to 0°C</td> <td>writes on SD card</td> </tr> <tr> <td>0°C to +55°C</td> <td>writes on hard disk</td> </tr> <tr> <td>+55°C to +70°C</td> <td>writes on SD card</td> </tr> </table>	-40°C to 0°C	writes on SD card	0°C to +55°C	writes on hard disk	+55°C to +70°C	writes on SD card
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Rapid Temperature Variation	EN50155: 2017 Class H2						
Ingress Protection	IP30 - fan less design						
Shock and Vibration	Compliant to EN50155:2017 - EN 61373 performance for Category 1 body mounted equipment. Class B. ISO 16750-3:2012						
<b>Sensors</b>							
Temperature Sensor	1 x						
G-force sensor	1 x						
<b>Standards</b>							
DIN EN 45545-2	Compliant (HL2)						
DIN EN 50121-3-2	Compliant						
DIN EN 50155	Compliant						
EN61373	Compliant						

#### Disclaimer

Features and specifications are subject to change without notice. Properties relating to the Goods contained in this document do not constitute the product specifications but typical values for purposes of description only. February 2023