

# VIDEO RECORDER X-DMR IP+

## ON-BOARD VIDEO SECURITY SYSTEM



## FEATURES

- Specially designed for mobile road applications
- Multi-Processor architecture
- Automated self-diagnostic (e.g. file system check, temperature)



## THE IP-DIGITAL RECORDER WITH HDD FOR BUS OPERATION

The X-DMR IP Recording system features a multiprocessor architecture delivering fast processing and high-quality images for each of the 32 digital camera inputs. This unique hybrid concept, specially designed for mobile applications, guarantees the highest possible video availability.

Recording redundancy is supplied through an integrated SD card, and with a wide temperature range and purpose-built architecture, the Recorder maintains industry-leading reliability, even in the harshest climate and conditions of transport operations. In addition, self-diagnostic functions automatically check the file system and temperature.

Reliable, and simple operation along with uncomplicated installation make the X-DMR IP the perfect recording solution that meets all requirements for bus operations.

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### TECHNICAL DATA

<b>Video Recorder</b>	
Recording Rate	Up to 800fps
Resolution	CIF, 4CIF, 720p, 1080p
Troughput	Up to 40 Mbit/s (depending on use case)
Video Compression	H.264
Recording Mode	Continuous- and event recording Frame rate and picture quality configurable per channel Adjustable recording duration
<b>Video Decoder</b>	
Frame Rate	Continuous video decoding
Resolution	CIF, D1
Number of Streams	16 times 4CIF@25fps
<b>Sensors</b>	
Temperature Sensor	1 x
G-force sensor	1 x
<b>Electrical properties</b>	
Operating Voltage	24VDC
Power consumption	≤ 20W
<b>Interfaces</b>	
Operating Status	8 x LED (display of system status)
Power In	1 x Power supply input (vehicle battery)
WiFi	1 x WLAN (internal) optional
GNSS	1 x GPS Module (internal) optional
Digital Out	4 x Digital Out (GPO, open collector, for external LED box)
Alarm (Relay Out)	2 x Relay (SPDT, max. 220V DC, 2A, 60W)
Ethernet	1 x Ethernet, M12, 10/100Mbps, (d-coded) 1 x Ethernet, RJ45, 10/100Mbps
IBIS (VDV 300)	1 x IBIS VDV300
USB	1 x USB 2.0 Type-A Host 1 x USB 2.0 Type-B Device (for configuration only)
Video Input	up to 32 ip camera streams
Video Output	1 x Video Out (CVBS, BNC)
<b>Mechanical properties</b>	
Weight	≤ 2,0 kg
Housing Dimensions	302 x 204 x 97mm
Housing Type	Robust aluminium made mechanical enclosure Fan less design
<b>Environment</b>	
Operating Temperature	-25°C...+55°C EN 50155 Class T1
Storage Temperature	-40°C...+85°C
Rapid Temperature Variation	Automated temperature management
Relative Humidity	93%
Ingress Protection	IP 30
<b>Standards</b>	
UNECE R10	Compliant
ISO 7637-2	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