

Recorder

DMR 4

HIGHLIGHTS

- 4 channel hybrid real-time DVR
- Developed for the mobile transport environment
- Dynamic Image Quality Management
- Integrated 3 axis acceleration sensor
- Hybrid Data Management
 - Onboard Video Storage Redundancy
 - Interactive Hard Disc Protection
 - Intelligent Recording Concept
- X-Crypt
 - Newest generation of data protection



Technical Information – Recorder X-DMR 4

VSN-Article no.: 50101001

Video Standard	CCIR/ PAL & EIA/ NTSC (Analogue) IP camera (Digital, through software release)
Video Compression	H.264 High Profile Optional H264 Intra (similar to MJPEG)
Audio Compression	G.711
Resolution	D1 (720H x 480V NTSC, 720H x 576V PAL) Half D1 (360H x 480V NTSC, 360H x 576V PAL) CIF (352H x 240V NTSC, 352H x 288V PAL) HD-Resolution via IP Camera (through software release)
Recording Modus	Permanent, Motion, Contact & Timer
Frame rate	120fps@D1 (NTSC) 100fps@D1 (PAL) The frame rate can be individual programmed / channel
Bit rate / Channel	Scalable up to 3Mbps
Video Inputs	4x BNC, 1Vss@75Ohm 4x BNC loop through (on request) IP cameras via Ethernet-interface
Video Output	1x BNC, 1Vss@75Ohm 1x HDMI (on request)
Audio Inputs	2x Line IN (0-2Vss, nominal 0.755Vss) or Mic IN (further audio channels on request)
Contact In / Out	4x Contact IN, level controlled or against ground 4x Digital Output, Open-collector 1x Relay OUT, SPDT, max. 48VDC, 500mA
Interfaces	1x IBIS 1x USB2.0
Ethernet	1x RJ45, 10/100Mbps (on request M12)
Recording Media / Capacity	1x 2,5" S-ATA HDD (up to 750GB) 1x SD/ SDHC card (up to 32GB)
Recording Design	Hybrid Data Management - Onboard Video Storage Redundancy - Interactive Hard Disc Protection - Intelligent Recording Concept (controlled by temperature and vibration/ shock)
Sensor	1x 3-axis acceleration sensor 1x Temperature sensor
Voltage Input	11 - 36V/DC (<10W, without cameras)
Voltage Output 1	2x 12V/DC, max. 1A
Operation Temperature	-25°C to +55°C/+70°C (according to EN50155 T1-Class)
Cooling	Passive
Dimension - Housing (WxHxD)	262x75x214 mm
Mounting	4x M4 threaded hole on the bottom
Operation System	Embedded Linux
Weight	2.7 kg incl. HDD
Data Protection	X-Crypt Optional data encryption with generic algorithms in order to secure recording and transmission of video and audio data Cryptographic checksum For picture verification
Configurations- and Viewing Software	X-MediaManager
Control Centre Software	X-FleetManager
Approvals	CE, e1 (All in preparation)

Technical Information