

DIGITAL VIDEO RECORDER

INPUTS / OUTPUTS

8 ch video input, 4 ch audio input
4 alarm input, 4 alarm output
2 ports RS-232 / RS-485

NETWORKING

Network Encryption
LAN 100 Mbit, AutoDMX
Time server synchronization
Built-in HSPA+ modem

STORAGE

SATA HDD capacity: 320 - 1 TByte
VRMTM failsafe filesystem
Instant startup
Fast picture search
Minimized head movement

POWER MANAGEMENT

Power supply voltage: 8-30 VDC
Automatic power off
Wake up by vehicle ignition
Periodically wake up

IMAGE PROCESSING

MPX7 signal processor
JPEG2000 compression
Excellent image quality
Digital signature

HYBRID VIDEO STORAGE SYSTEM

Acceleration and temperature measurement
Parallel recording to HDD and to CF-Card
HDD power down in extreme environment
High speed synchronization after power up

GPRS MODUL

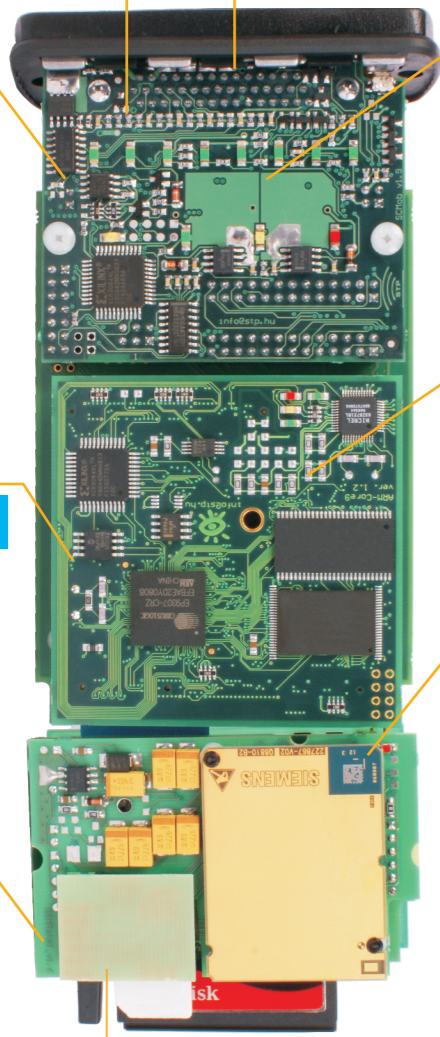
GPRS-EDGE / HSDPA / HSPA+ modem
GPRS optimized download manager
DynDNS and MPSTP for dynamic IP

GPS MODUL

u-blox chipset
Vehicle tracking
GPS position stored in each picture
Position can be displayed on Google Earth

CF CARDS, SIM SOCKET

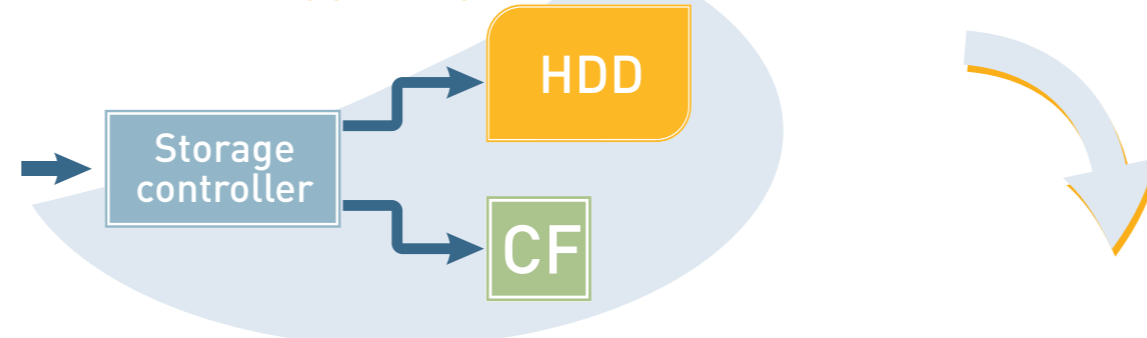
CF capacity: 4-64 Gbyte
Extended temperature range
Shocks and vibrations resistant



HYBRID STORAGE SYSTEM

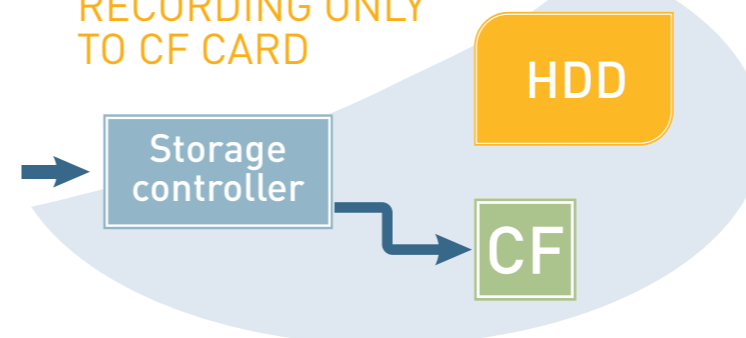
NORMAL VIBRATION AND TEMPERATURE LEVEL

PARALLEL RECORDING



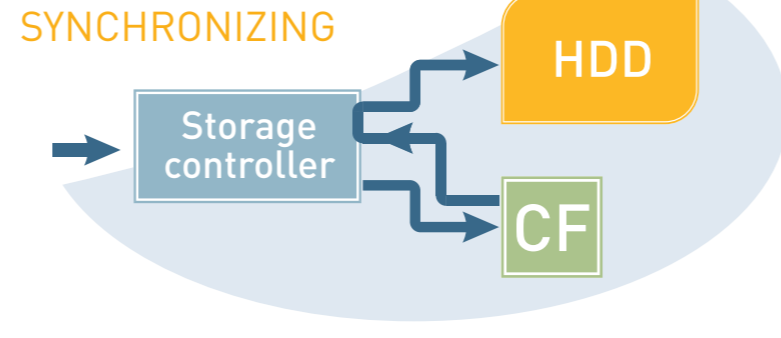
EXTREME VIBRATION OR TEMPERATURE LEVEL

RECORDING ONLY TO CF CARD



BACK TO NORMAL VIBRATION AND TEMPERATURE LEVEL

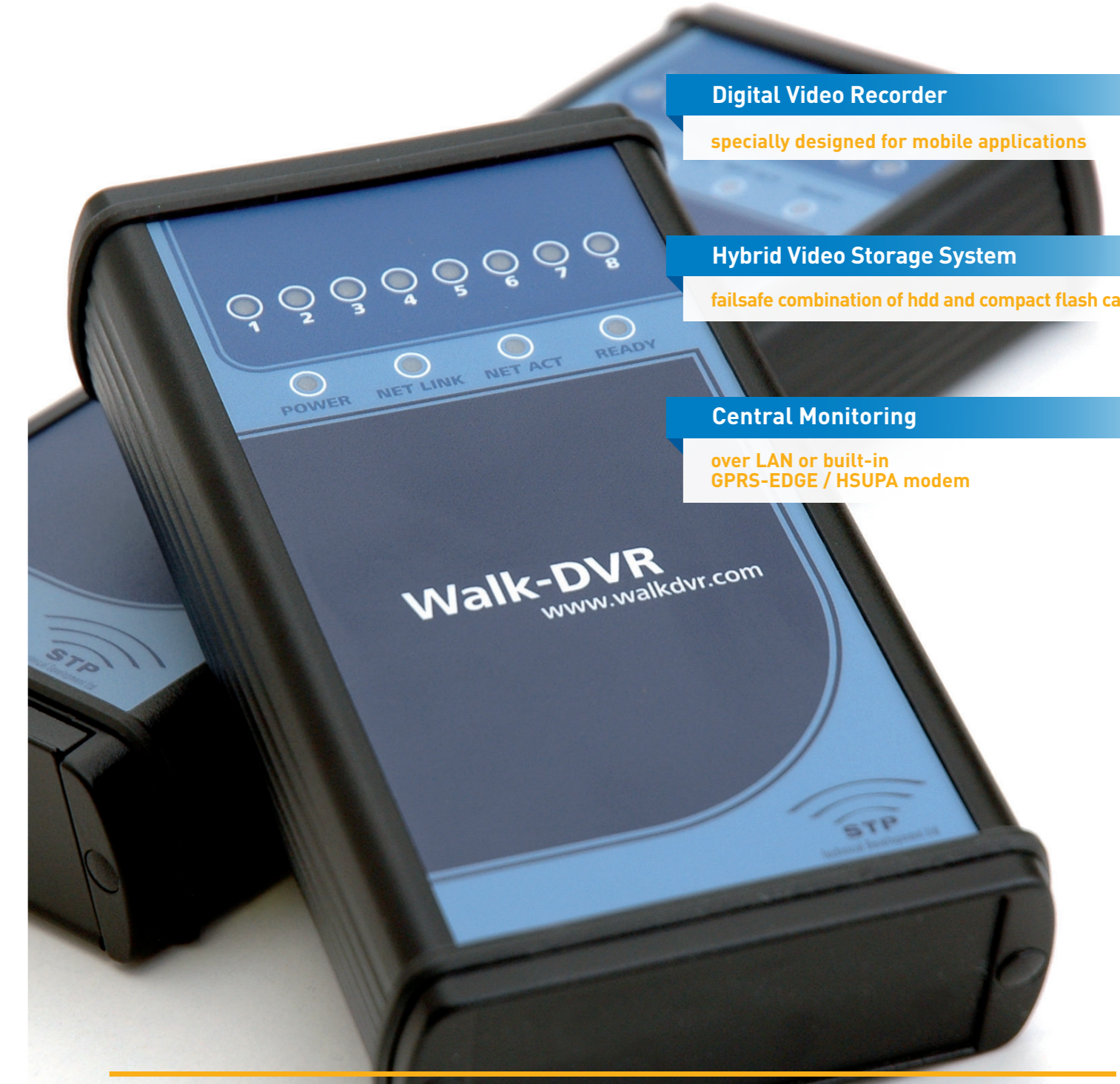
HIGH SPEED SYNCHRONIZING



FAILSAFE COMBINATION OF HDD AND COMPACT FLASH CARD

The walk-dvr records to hdd and to cf-card in parallel
Hdd is switched off in case of extreme vibration or temperature
Pictures are transferred from cf-card to hdd
At high speed when the hdd is ready again

VIDEO RECORDER FOR THE MOBILE WORLD



Digital Video Recorder

specifically designed for mobile applications

Hybrid Video Storage System

failsafe combination of hdd and compact flash card

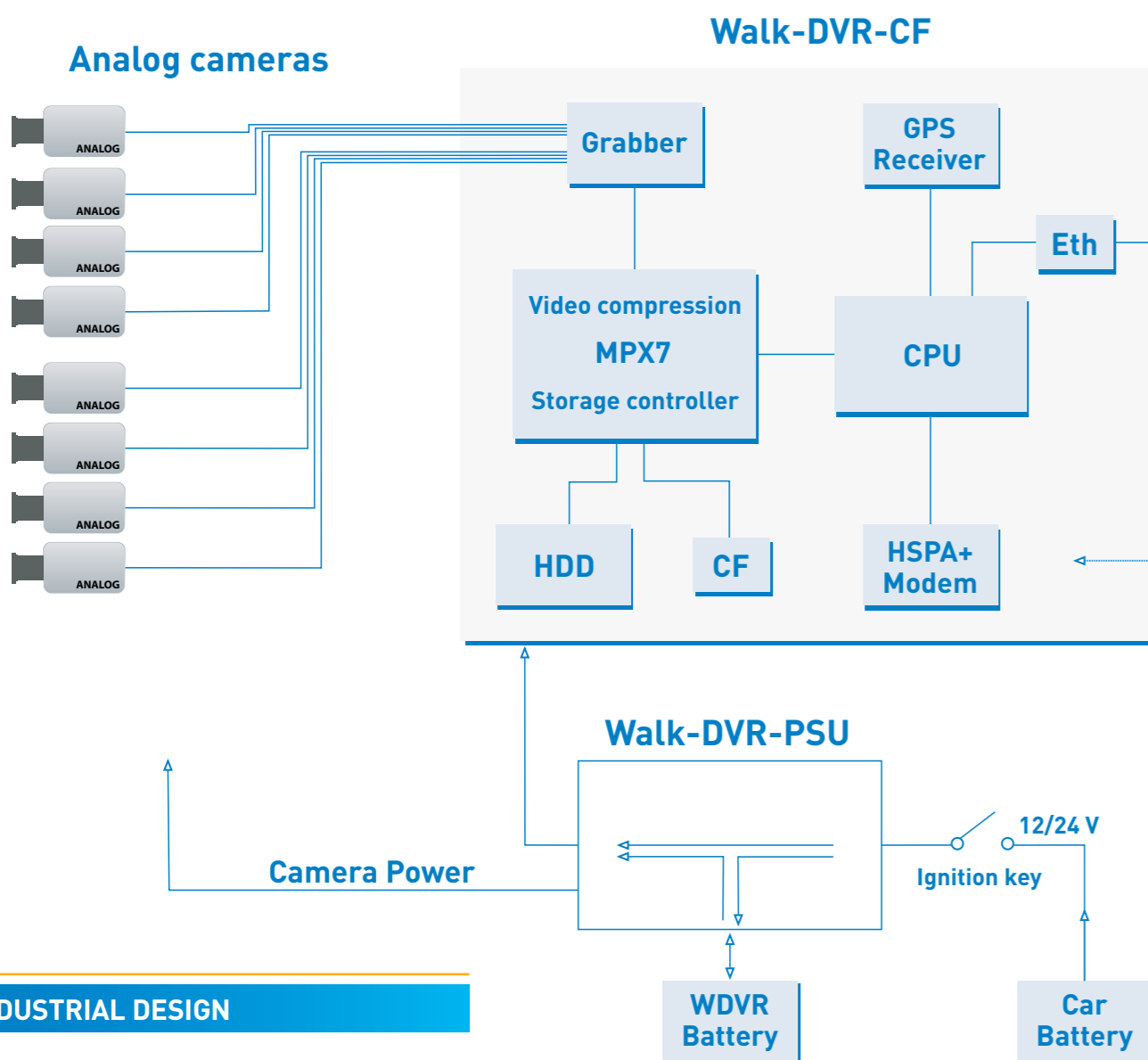
Central Monitoring

over LAN or built-in GPRS-EDGE / HSPA+ modem

THE SCHEME OF VIDEO SYSTEM USING WALK-DVRS

HIGH QUALITY VIDEO RECORDER

Records the full analog resolution
 JPEG2000 image compression also used by movie industry
 Frames are processed independently, changes between images are coded perfectly
 Built-in storage up to 1 TByte HDD / 64 Gbyte Flash card



INDUSTRIAL DESIGN

Metal case, dust and moisture resistant
 Low power consumption, no fan required
 Vibration resistant hybrid video storage system
 Failsafe file system developed specially for vehicle applications

EASY MONITORING

Low bandwidth requirements
 Image, GPS position and event monitoring
 Graphical representation of complex system
 Capture video, event triggered automatic video playback

DEVELOPED FOR LARGE SCALE INSTALLATION

Long term availability
 More than 8 years product life time
 Industrial long life components
 Maintenance free operation



Control Center 1.



Control Center 2.



POLICE CAR

Continuous recording of front and rear cameras
 Body camera for in action video and sound recording
 Automatic archiving in garage over WiFi
 Siren and light bar status recording



ATM, CASH MACHINE

Long recording time, up to 180 days
 10 hours battery powered operation
 Live video monitoring in case of alarm
 ATM transaction-ID is stored in the event log
 Transaction-list based automatic video rendering



PUBLIC TRANSPORT

Video retention time according to laws
 Live video monitoring in case of alarm
 Video transmission optimized for GPRS
 Protection of the privacy rights



RADIO TOWER

High reliability, low maintenance
 Video transmission optimized for GPRS
 Alarm triggered capture video download
 Motion detected in video generates an alarm
 Live sound output, alarm triggered warning sounds

