







Technical Parameters

<i>Designation</i>	TeleObserver MR3040
<i>Video In</i>	4 BNC-female: CVBS/PAL, NTSC (activation key)
<i>Video Out</i>	2 BNC-female FBAS/PAL, NTSC
<i>Resolution</i>	2 CIF (720 x 288 Pixel) CIF (352 x 288 Pixel)
<i>Storage duration</i>	24/7 (removable hard disk, ≥40 GB)
<i>Video transmission</i>	up to 25 fps (depends on modem in use)
<i>Compression</i>	MPEG4 ^{D+}
<i>Modem</i>	external GSM (alarm SMS)
<i>Interfaces</i>	1 x RS 485 2 x RS 232 1 x LAN VDV, GPS, CAN
<i>Audio recording</i>	2 channels
<i>Sensor/switching exit</i>	8 sensor inputs / 4 relay outputs: (AC/DC up to 42 V)
<i>Power</i>	12 V - 24 V DC, 12 W
<i>Camera power</i>	12 VDC / 1,5 A
<i>Protection</i>	IP 53
<i>Range of temperature</i>	- 10 bis + 70°C (depends on hard disk) 0 bis + 70°C (starting temperature) - 40 bis + 80°C (storage)
<i>Dimensions</i>	235 mm x 80 mm x 240 mm
<i>Weight</i>	3,000 g
<i>Material</i>	Al/V2A - stainless

Software module TeleObserver MR3040

<i>GPS interface</i>	NMEA protocol (optional)
<i>BMK interface</i>	Connection to Siemens Train Media Coupler (optional)
<i>VDV interface</i>	Recording and transmission of VDV data; VDV time sync (standard)
<i>CAN bus</i>	Recording and response to CAN bus requirements (optional)
<i>DR.Secure</i>	Data encryption, hard disk labeling und locking, encryption of communication
<i>Watermark</i>	Verification of origin, manipulation proof, superimposed when exporting single image
<i>DR.SoftSense</i>	Motion detection, camera sabotage recognition
<i>Live-COM</i>	Live communication package
<i>SMS</i>	Messaging via GSM

Tests, Licenses and Certificates

-   EN 50155 (Federal Railway Authority)
-   E1 (Federal Motor Transport Authority)
-   GL compliant (Germanischer Lloyd)

Technical Parameters on the Receiver Side

Central Monitoring Unit (CMU)

<i>Software</i>	Central Monitoring Software; different functions with activation key; software for burning DVD-RW/CD-RW
<i>Hard disk</i>	80 GB
<i>Operating system</i>	WinXP prof.
<i>Communication</i>	Internal ISDN adapter card (more or different communication links possible)

TeleObserver Transfer Unit for TeleObserver MR3040 (TTU-MR)

<i>Hardware</i>	TTU-MR
<i>Software</i>	TTU-Software 1.1
<i>Operating system</i>	Security operating system
<i>Communication</i>	Ethernet

Delivery Set

- TeleObserver MR3040
- TeleObserver TOHD40
 - Central Monitoring Software (CMS; Standard)
 - Manual / installation manual on CD-ROM
- Additional accessories / assembling sets / adapters available.

Optional Extensions

- WLAN adapter, UMTS adapter
- ISDN router, DSL router
- GSM terminal adapter

Similar Products

TeleObserver TO3100

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