

Produsul mobileW^{at}cher fabricat de TDT este un sistem video pentru uz profesional. Optional, aparatul functioneaza pe baza de acumulatori, oferindu-i independenta fata de reseaua electrica si utilizarea pe teren. Routerul 3,5 G+ integrat face posibila transmiterea de date foto si video prin toate retelele mobile (GPRS, UMTS, etc.) precum si prin retele wireless.

Mecanismul incorporat "Turn and Tilt" ofera prin acces direct o vedere de ansamblu de 360 de grade si la un unghi de 90 de grade (numai in jos). Zoomul optic 22x permite observarea celor mai mici detalii de la mare distanta. Aparatul memoreaza pana la 16 pozitii zoom si de rotatie care pot fi utilizate ulterior.

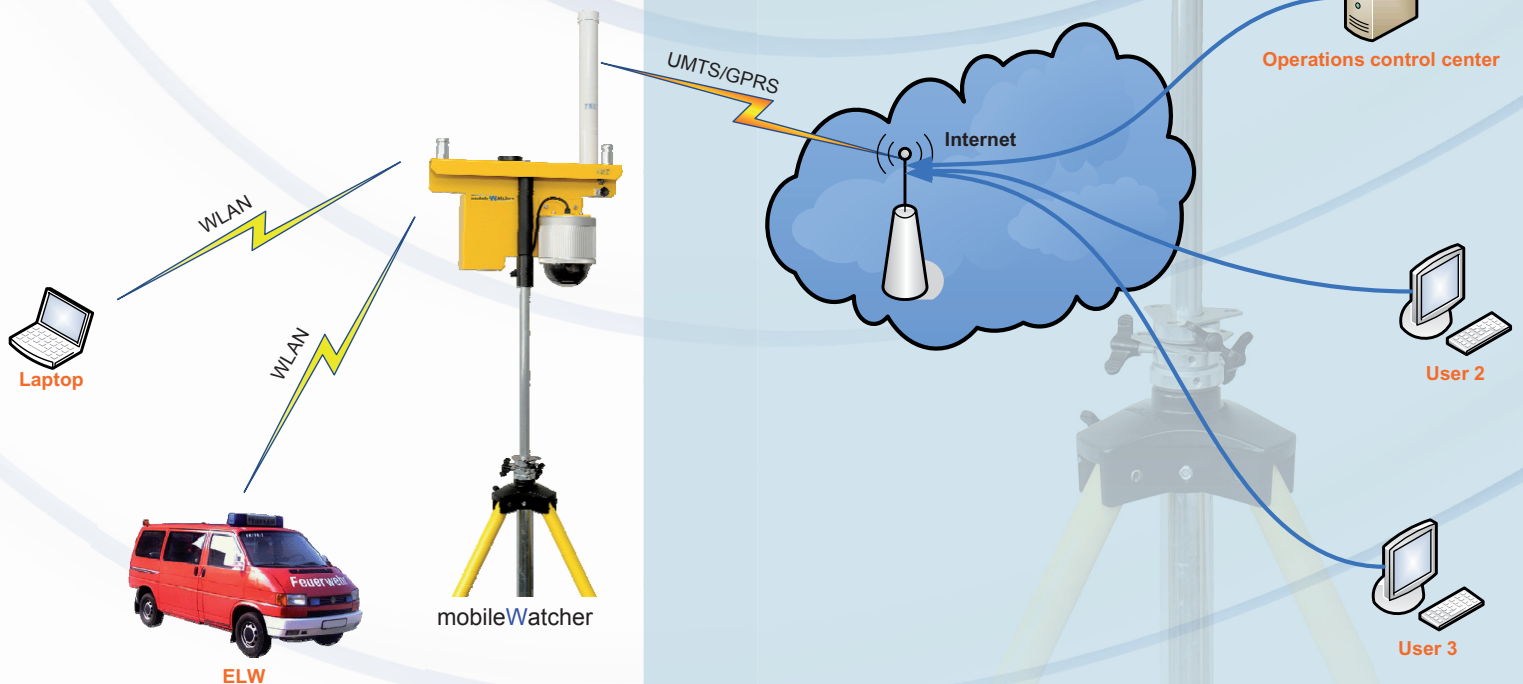
Senzorul inteligent de miscare detecteaza orice modificare in imagine si cu ajutorul auto-trackingului urmareste obiectul in miscare. Dupa preferinta, poate fi activata o alarma cu scopul alertarii unitatii responsabile.

Datele foto si video pot fi transmise pe doua cai:
 - prin conectarea directa la mobileW^{at}cher a unui singur utilizator prin intermediul internetului
 - prin transmiterea datelor pe un server oarecare, de unde pot fi accesate de mai multi utilizatori

Configurarea aparatului si a sistemului "Turn and Tilt" se face prin accesare directa.
 Prin intermediul sistemului GPS integrat in mobileW^{at}cher, aparatul poate fi localizat cu exactitate. Aparatul mobileW^{at}cher se poate monta pe orice stativ standard de iluminat, sau pot fi instalate corpuri de iluminat pe stativul propriu.

mobile camera system transmitting pictures and video Live-Streams

e.g. to emergency vehicles,
operation control centers or
to the internet



Hardware

- Geode Processor (fanless)
- 256 MB RAM
- 1 serial Port (for debug or monitoring)
- 4 GB OS memory (Compact Flash, Dual Boot)
- 1 x Mini PCI extension slots: modular placement e.g. for WLAN
- 1 x PCI express e.g. for UMTS etc.
- 2 USB 2.0 Ports (e.g. for backup or extern hardware e.g. ISDN/DSL/analog modem, Video)
- 2x 10/100 BaseT Ethernet ports (Wake up on LAN, Power over Ethernet)

WIFI

- 2.4 / 5 GHz IEEE 802.11 a/b/g/n standard
- Access Point mode
- WiFi Protected Access Client Support (WPA, WPA2)
- Security Features: WEP, AES, TKIP, MAC-Adress filtering
- Quality of Service (QoS) support (802.11e draft)
- Dynamic Frequency Selection / Transmit Power Control (DFS/TPC)

GPRS/EDGE/UMTS/HSDPA/HSUPA

- EDGE 850/900/1800/1900 MHz; GSM Power Class 4 for 850/900 bands
- GSM Power Class 1 for 1800/1900 MHz; EDGE class E2
- EDGE Modulation and Coding Scheme (MCS) 1-9
- GPRS/EDGE Multislot Class 12 (4 slots Rx, 4 slots Tx) max 236,8 kbit/s
- GPRS/EDGE Class B Type 1 MT
- GPRS Coding Scheme (CS) 1-4
- HSDPA/UMTS: 800/850/1700/1900/2100 MHz
- HSDPA modes: 1.8 / 3.6 / 7.2; Power Class 3 (+24 dBm)
- UMTS: 384Kbps Up/Down
- HSUPA mode: 2Mbps: Category 5

GPS

- Global Positioning System (GPS) for satellite-based navigation
- GPS-Signal: 1500 MHz
- Timeserver over GPS
- Standard on C1500u and C1500h
external arial connector and arial: optional

Router and IP-Features

- Support of the IP-Protokoll family e.g. IP, TCP, UDP, ARP, RARP, ICMP, QoS
- Static Routing & Filtering, RIP 1/2, OSPF, BGP
- DHCP-Server / Client
- Network Address Translation (NAT) and Reverse NAT (Static NAT Mapping, NATP)
- PAP / CHAP support
- Web-Interface (HTTP 1.1 and JavaScript)
- Dynamic DNS Client
- IPSec over NAT-Traversal (NAT-T RFC 3947)
- Preboot Execution Environment (network based booting)
- NTP (Native Time Protocoll) as server and client
- IP CAM Server (for Video application)

Camera Features

- 1/4" Sony Color Super HAD Image Sensor
- Pixels: 768x494 (NTSC) and 752x582 (PAL)
- 22x optical Zoom
- Pan Range 360°
- Tilt Range 90°
- MPEG-4 und MJPEG Video Compression
- Video Adjustment: Brightness, Contrast, Saturation and Hue
- WEB-Server
- Protokolls: DDNS, PPPoE, DHCP, NTP, SNTP, TCP/IP, ICMP, SMTP, FTP, HTTP, RTP, RTSP

Technical Data

- Dimensions: 63 x 49,2 x 35,2 cm (WxHxD, in case)
- Operating Temperature: 0°C - +40°C; Humidity:85% (none condensing)
- Weight: ca. 23 kg
- Power supply: 230V AC or 12V DC
- Power consumption: 2A
- Rigit metal housing

