

**VIMTEC**  
video.monitoring.technology



*WELCOME*

# Mobile Surveillance Solution



[Redacted]



[Redacted]

[Redacted]





## VIMTEC - the company



- Founded in 1991
- 25 years of experience
- Own development MBE
- Made in Germany
- Customized development

Target: High-End - autarkic surveillance / monitoring system



## Areas of activity



- Construction site safety
- Monitoring of police operations
- Fire surveillance
- Event monitoring - e.g. public viewing
- Traffic surveillance - road works
- Border surveillance
- and more





## Chassis and body

- Tandem trailer; gross vehicle weight 2500 kg
- l = 4460mm x w = 2070mm x h = 3175mm
- Galvanized solid steel base frame
- Box body made of sandwich GRP PU foam
- 2 lockable double doors at front and 1 lockable upwards opening flap with gas struts at rear



## Road safety

- Admission up to 100km/h
- Overrun brake
- Axle shock absorbers



## Indoor

- 880 Ah/ 24 V gel cell
- Battery controller to monitor and control the power storage system
- Cabinet to control all information and network components
- PLC to monitor operational status and operation control



## Status reports

- Control of hydraulic, pneumatic and optional lightning
- Industrial embedded PC, 2 GHz, 128 GB SSD, Windows 7 Professional 32 - Bit
- Temperature status sensors
- Battery control display
- Tank level display



## Sabotage reliability

- Pneumatic telescopic mast with internal cable routing
- Intrusion detection system with motion sensor, locking elements and magnet contacts
- Hydraulic pillar



## Hydraulics

- 4 internal hydraulic pillars cylinders
- Stroke length 600mm
- Separately controlled
- Hydraulic unit, 1.5 kW, with 10 litre tank and oil filter
- Guaranteed stability up to 120km/h wind speed



## Diesel generator

- Up to 120 days self sufficient - 200l fuel tank
- 5 kVA power - fuel consumption 0.6 - 1.0 litres per hour
- Diesel generator engine management
- Powered by a hybrid system



## Observation technology

- The pneumatic mast can take a weight up to 120 kg
- Mast - up to 8m
- Masthead quick change System
- Compatible with different observation technologies
- The Masthead includes a VPN router, an un-managed switch and



# Masthead observation technology



## Standard - 360° Observation

- 4 x 3 megapixel day/night cameras
- 360° view around the MBE - radius of 75m
- Video analytic detects persons and cars
- Alarm triggering is reported
- Horizontal field - up to 100°
- Observation head is expandable with a 360°



# Customizable to individual needs



The masthead can be equipped with different camera technologies:

PTZ cameras:

- 360° standard observation

monitored

detection area / in case of any action

PTZ moved to that area / intruder following

- PTZ camera control via guard

# Customizable to individual needs



The masthead can be equipped with different camera technologies:

Thermal cameras:

- Long distance surveillance, e.g. border line



- Perfect under special conditions, e.g. no light allowed



# Transmission technology



3G/4G

Radio systems  
(e.g. COFDM Modules)

Wireless Local Area  
Network

Satellite



# Recording technology



Free system option



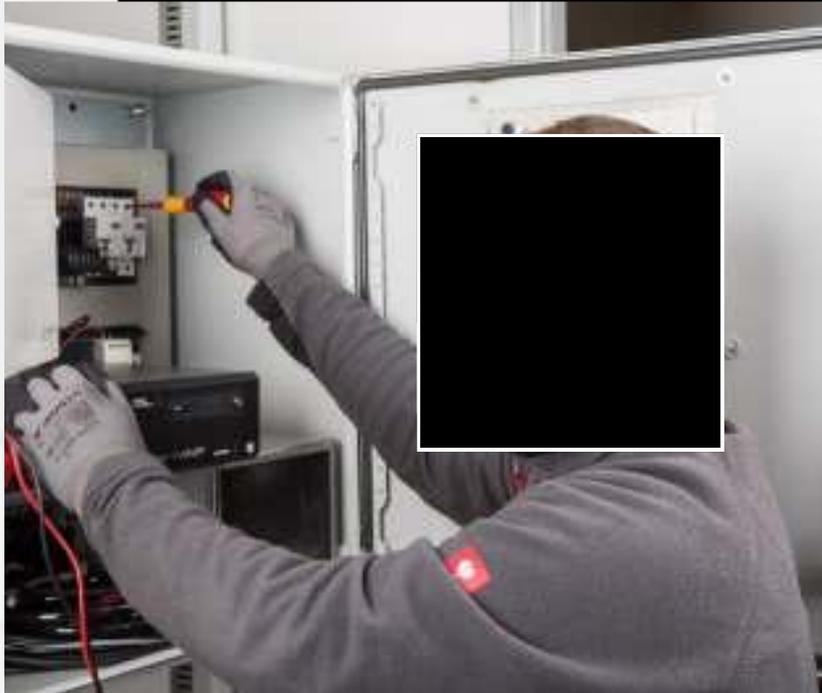
Alarm images are transmitted  
to control station



Option - local recording



# Project related development



From development  
to  
production -  
everything under  
one roof

- Individual adjustments
- Various application areas
- Customized production

The background is a solid gray gradient with several thin, white, curved lines that sweep across the frame, creating a sense of motion and depth. The lines are most prominent in the upper and lower portions of the image, framing the central text.

**Thank You For Your Attention**