

Product datasheet

Data transmission HydraIP - 3G ■ WiFi ■ GPS



Description

Extended function module for data transmission with Derovis video systems (HydraIP Series). Available in different versions: as internal module or external unit with 3G mobile communication (GPRS, EDGE, UMTS, HSPA) and WiFi (Dual Band) support. Including capture and transmission of GPS data.

Article number

3G (internal): VPV110105, external: VPV110106
 WiFi (internal): VPV110107, external: VPV110108
 3G & WiFi (internal): VPV110109, external: VPV110110
 GPS-Function*: VPV110111

Main features

- Bidirectional data transmission via WiFi or mobile communication 3G, incl. GPS Option.
- Capture and transmission of audio, video, additional data and GPS data for GPS - Tracking.
- Active alarm management
- Automatic sending of system information (presence detection), system errors etc.
- Remote update of video systems
- Connection to Derovis fleet management (FMS)
- External module can be easily attached to the video system

Compatibility	Compatible with DIRECS video systems of the HydraIP series (MR3060-4, MR3060-6, MR3080-8)
Versions	As internal module for the functional extension of the video systems (it is only possible to equip the video systems with internal module through the manufacturer). Present video systems can be extended for data transmission with the external transmission module – these are equipped with the identical component. The use of an internal version allows the use of WiFi + 3G or 3G + GPS. The use of 3G, WiFi and GPS is possible with an external version.
Functionality	The transmission module enable video systems to communicate through WiFi and 3G mobile network. GPS data can be captured through the internal GPS receiver and sent to the headquarters in real time. The systems are fully integrable into the Derovis fleet management software. Alarm calls triggered in the vehicle can be sent directly to the headquarters in real time. The video images from the vehicle can be automatically monitored at the headquarters. The data transmission is automatically switched between 3G and WiFi modes. **
Compatibility headquarter software	Derovis fleet management (FMS) - use of the transmission functionalities demands an installed fleet management software with all the necessary modules (fleet management, alarm management, GPS-Tracking).
3G module	Supported technologies: GPRS/EDGE/UMTS/HSPA; UMTS/HSPA 2100 MHz Band for Europe (also available as TriBand 850/900/2100 MHz versions), Quad Band GSM, EDGE/GPRS multi slot class 12,
GPS receiver*	GPS receiver on-board on the 3G module – the function has to be activated by a key-file. GPS functionality demands the equipping of the transmission module with the 3G module. GPS Standalone and Assisted mode 1575 MHz
WiFi module	802.11 n Standard, compatible to Standards 802.11 a/b/g; Data transfer rate up to 300 MBit/s; Dual Band: 802.11a ISM Band: 5.1 ~ 5.8GHz; 802.11g ISM Band: 2.4 ~ 2.4835GHz
Security	WiFi module supports 64/128 Bit WEP, WPA, WPA2 and AES. 3G module supports SSL secure connection, Systems communicate with the control centre through a secure VPN connection.
Power consumption	WiFi – mode TX: max. 400 mA, mode RX: max 250 mA ; 3G – mode : sleep mode < 1,5 mA, UMTS/HSPA class 3 (2,5 W), EDGE Class E2 (ca. 0,5 W). Values refer to the transmission module and can vary depending on the version - the total power consumption of the entire system is determined by the power consumption of the video system, in addition to the external unit and transmission module.
Operating temperature	Operating with WiFi: 0°C ... 60°C; Operating with 3 G: -25°C ... +75°C
Certifications	in conjunction with DIRECS video systems: e1, EN 50155, CE, RoHS, VDE, DIN 5510, EN 55022, EN 61000, EN 55024, EN 60950, EN 50121-3

Information refer to the current state and may be subject to unannounced changes.

* recording and/or transmission of GPS data is possible with 3G module - no support for version without 3G

** parallel data transmission via WiFi and 3G at the same time is not currently possible