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R4: 4wheel EXPLORER - 80 Mbit/s Mesh Technology

This 4wheel EXPLORER gets you into **Underground Mining or Buildings** with extremely **difficult RF** transmission conditions.

80 Mbit/s
Mesh Technology
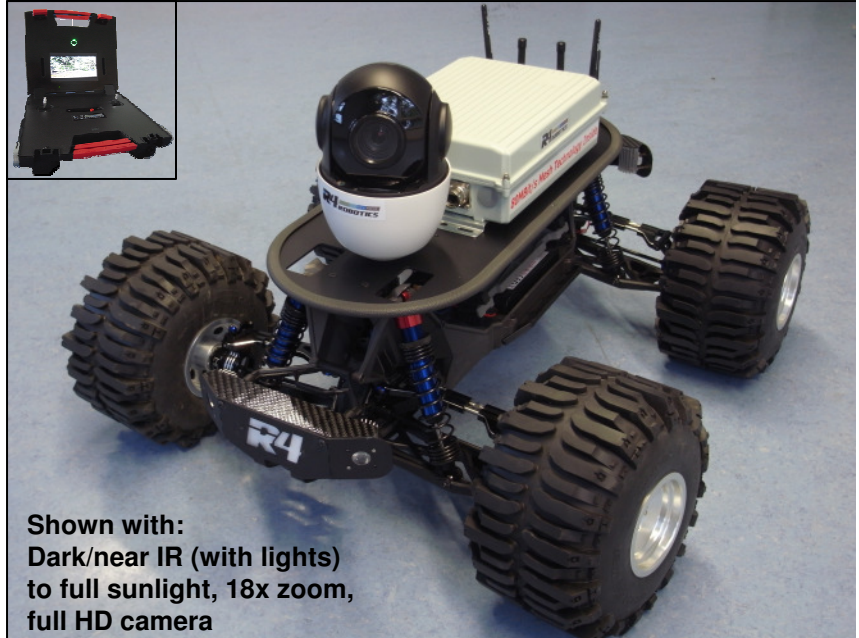lets you stay connected.

The incredibly robust Network connects with any IP enabled controller (like this EXPLORER platform or Sensor (like the payload shown) bi-directionally.

Shown with:
Dark/near IR (with lights)
to full sunlight, 18x zoom,
full HD camera

- ■ **Self Configuring - best routing**
- ■ **Self Healing   - rerouting lost nodes**
- ■ **Scalable   - #nodes, #clients**
- ■ **Frequency Agile - UHF – SHF**

Ultra Low Latency
HD video with latest H.265 codec

The **remote** controlled **Explorer** platform has separate front and rear navigation cameras with switchable lights – independent of any payload. Its mounting plate and battery compartments are configurable by application.

It is an ideal carrier for the 80 Mbit/s Mesh Node (IP based), which will easily **transmit several concurrent** HD video - or data streams and still has ample bandwidth to **control additional equipment** bi-directionally.

Different payload example:
World leading 3D SLAM for GPS denied or Underground inspections and Cavity Scan Monitoring. Can also be UAV mounted.
Maker: Emesent, Australia

The 4wheel Explorer or the 80 Mbit/s Mesh Technology can be used independent of each other, based on the application.