



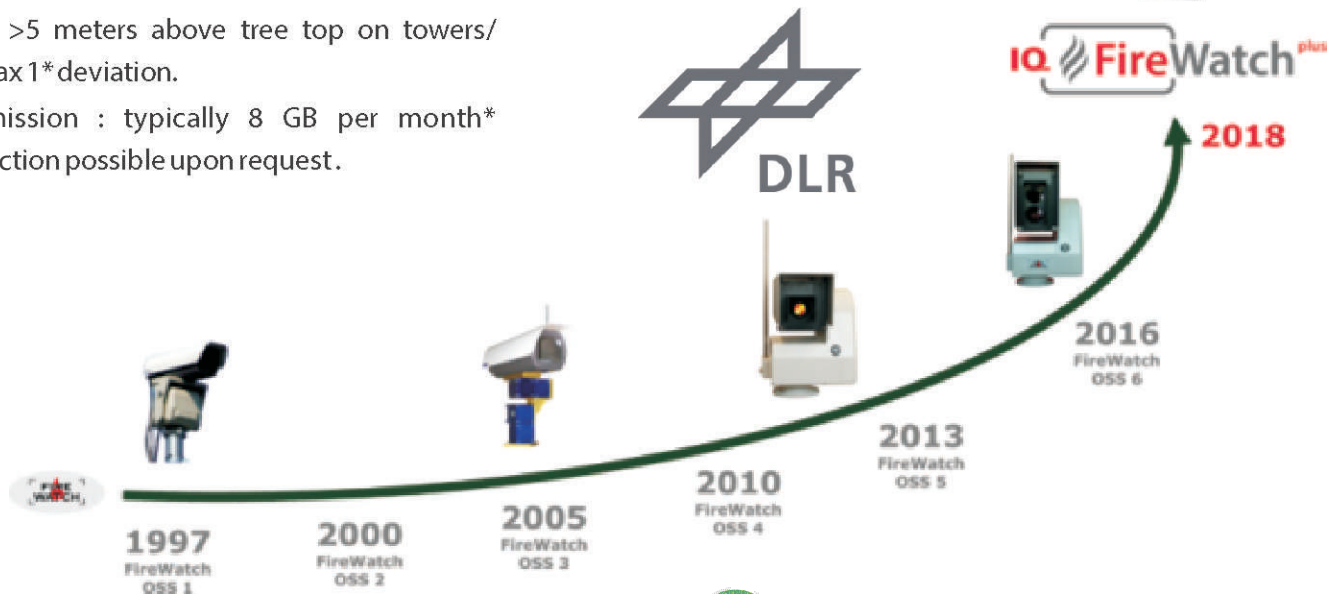
**EARLY DETECTION OF FIRES FOR MORE THAN 20 YEARS**

**Head Unit**

- Technology: 3 Sensors – monochrome, NIR and multispectral
- Revolution Time Day: 4-6Mins
- Revolution Time Night: 9-12Mins
- Recommended Coverage Radius : 15KM\*  
\*In perfect weather condition, smoke has been detected at Distances of over 50KM
- Coverage Area: 70.000hecters/700km.
- Installation : >5 meters above tree top on towers/ Structures: max 1\* deviation.
- Data Transmission : typically 8 GB per month\*  
\*Further reduction possible upon request.

**Control Unit**

- Control of IQ firewatch sensors.
- Monitoring of all system components
- Image processing unit – Uncompressed raw data.



# IQ FireWatch



The base technology was developed by the German Aerospace Center (DLR) for the Rosette mission in the 1990's . IQ wireless GmbH extended the technological development And initially designed Firewatch for the German Forests.



## SPECIALISATIONS

- High Resolution Still Sensors
- Calibrated optical system.
- Low light mode.
- High accuracy.
- Optimized for long term operation.
- On-site raw data processing.
- Synchronized multispectral analysis in real time.
- Improved & certified quality management guarantees even more reliability.
- Optimized Signal-to-Noise Ratio (SNR) and Boosted Dynamic Range (DNR).
- Special compact version of head unit is available for reduced power consumption.
- Small processing unit (can be easily mounted).

