

DACC

Data Acquisition & Configuration Computer



detection

radiation

KEY FEATURES

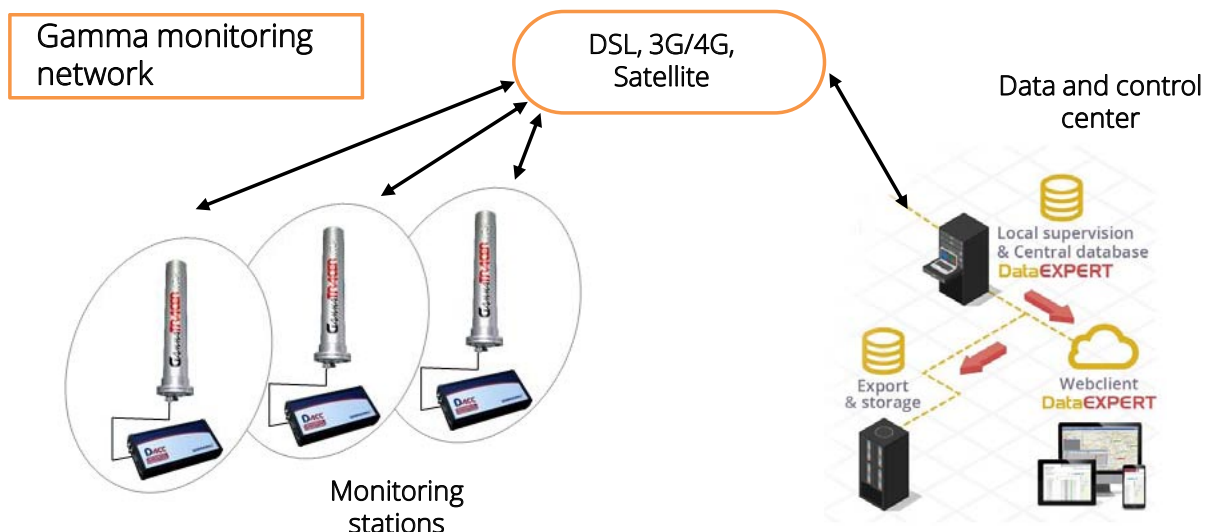
- Embedded web browser
- Data backup more than 10 years
- HDMI for large screen
- Wide temperature range
- Built-in watchdog
- FTP push/pull operation
- Low power consumption
- Maintenance-free



DACC when forming a part of a monitoring network serves as **intelligent link between measurement detectors in the field and the central data acquisition and control system**. This versatile data logger and communication interface continuously reads out the data from the detector unit, evaluates, stores and finally forwards them via FTP to the central server.

Moreover, DACC powers the detector unit and allows on-site as well as remote access for configuration of the detector using a simple web browser (e.g. MS Internet Explorer, Firefox...).

DACC allows safe data forwarding, supports all current TCP/IP based data transmission technologies (LAN, ISDN, DSL, GPRS, UMTS, satellite ...) and disposes of redundant data transmission solutions as well. Beyond that DACC provides all necessary features and flexibility to adapt to today's fast-paced data transmission technologies.



OVERVIEW

PHYSICAL CHARACTERISTICS

- Internal data storage: Data storage on SD card (long term data backup depending of SD card capacity)
- FTP push/pull operation (integrated FTP server)
- Threshold controlled configurable data transmission cycles
- ESD protection on all inputs

ENVIRONMENTAL CHARACTERISTICS

- Temperature range: -40°C ... 60°C (-40° F ... +140° F)
- Protection class: IP 40

MECHANICAL CHARACTERISTICS

- Dimensions (ø, H): 230 mm x 111 mm x 45 mm
- Weight: ca. 700 g

ELECTRICAL CHARACTERISTICS

- Power supply: Power supply: 12 ... 30 VDC / 2W

INTERFACES

- Local port: 10/100 Ethernet (RJ 45 socket)
RS232/RS485 to detector unit
- Interfaces: Interfaces: 3x USB, 1x HDMI for connecting public information system
- Options: 19" model with integrated touch LCD

DATA MANAGEMENT SOFTWARE

- NEW: DataEXPERT 10 for online data management & visualization
- Dedicated to environmental radiation monitoring networks
- Web-based browser interface, available on mobile devices
- Remote setup of measurement probes & sensors



 **DataEXPERT 10**

Option
DACC 19" model with 7" touch screen



Easy integration in existing measurement network infrastructure due to open format of measurement data and configuration protocols

