



UDlive Pixel II

Integrated Radar Telemetry Data Logger

Remote
Reliable
Relevant



Pixel II units have been widely adopted **globally** as the leading **sewer level monitor**, supporting the wastewater industry and flood management initiatives. Customers report superior performance and reliability, setting new standards with **first-time fit** rates often exceeding 99%, **reducing whole life costs** and environmental impact.

With more **accurate** and reliable readings, narrow beam, exceptional range, lower power, new types of connectivity, and easy installation, the Pixel II is the **perfect solution** to your flood and wastewater challenges.

Key Innovations

Accurate Measurement

No blanking distance, range of over 14m, and sub-millimetre accuracy

Advanced Communication

Supports dual path communications and the latest low-power cellular technologies

2-way Communications

Fully remotely configurable including remote OTA updates to sensor, logger and modem.

Life Time Value

Sustainability Focused

Reusable, and upgradable, reducing e-waste and environmental impact.

Ease of Use

Designed for quick installation with immediate feedback, installed typically under 10 minutes.

Low Lifetime Cost:

8-year battery life, remote calibration, updates, and customisation options reduce maintenance costs.

GET IN TOUCH

UDlive Ltd.
UK Company No. 10556479

+44-(0)1420-612441
info@udlive.io
www.udlive.io



UDlive Pixel II

Integrated Radar Telemetry Data Logger

Remote
Reliable
Relevant



Applications

The Pixel II, level sensing, telemetry data logger maximises installation flexibility whilst retaining the exceptional durability and accuracy expected from UDLive products.

Designed primarily for water and wastewater level measurement in sewers, water treatment, pumping stations, CSO (Combined Sewer Overflow) as well as rivers and watercourses. The rugged design makes it suitable for the most extreme of environments.

Level can be used to calculate flow where channel geometry is available in open and closed channels.

Features

- Non-contact EHF continuous wave radar technology gives maintenance-free installations
- Improved measurement robustness to condensation
- Multiple measurement configurations (MPR (Maximum Peak Register), Strongest, Nearest, Furthest, combined)
- Downloadable full echo curve data file
- Zero Dead-band

Materials

Robust housing, that is chemical and UV resistant, optimised for applications in the water and wastewater industries.

Technical Data

Level Sensor

Measuring	0-14m (45.9ft)
Dead-band	0m
Accuracy	≤ 2mm main band
Resolution	1mm
Beam angle	4° (+/- 2°)
Radar Signal	FMCW EHF

Communications

Cellular	2G, 3G, 4G (Cat1 Bis), LPWAN (NB-IoT, LTE CatM1), 5G
Dual Path Option	Satellite, Sub-GHz
Antenna +6dBi)	Multiple Antenna Options (Typ..
Security	aes256 (symmetrical)
Cloud Connection	UDlive Portal (Admin & Visualisation) Direct cloud integration/API/Exports available on request.

Battery

Battery Type	LiSOCl ₂
Battery Life	8 years: 15min data; twice daily comms

Environmental

Mounting connection	Multiple Bracket Options
Ambient temperature	-20 - +70°C
Protection rating	IP68
Body Dimensions	162x137x75mm

Options

Installation Bracketry Options inc. Stainless Steel
Antenna Options

Communications Protocol

4G (LTE Cat1 Bis) cellular communications with 2G, 3G, 5G, LPWAN (LTE-M1, NB-IoT) options

Satellite and Sub-GHz Radio Dual Path options

Approvals

Protection rating IP66/IP68 (1 bar / 10m)
Optional: ATEX

GET IN TOUCH

UDlive Ltd.
UK Company No. 10556479

+44-(0)1420-612441
info@udlive.io
www.udlive.io

The information contained in this document is provided on an "as is" basis with no guarantees of completeness, accuracy, usefulness or timeliness