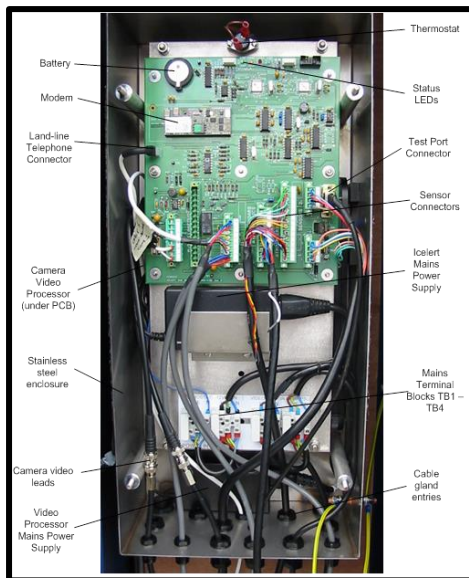


## Icelert MK8 – Airports



## Features & Benefits

- Input multiple weather sensors
- Transmits data to AWIS Icelert Bureau (either online or closed system)
- Easy to maintain & calibrate
- Operates at wide temperature range
- Mains or Solar powered
- Landline, radio, GSM, GPRS Coms
- Fits inside all common airside cabinets
- Web based viewing system (optional)

## Application

The Icelert MK8 Airport Weather Information System (AWIS) outstation allows information relating to runway weather to be measured and transmitted to a bureau service and/or master station from where the information may be made available to airport winter maintenance engineers and others.

The outstation can interface to a wide variety of meteorological and runway surface sensors. In addition, a number of un-committed analogue and digital inputs are available for additional sensors that may be required for specific applications and for customisation to suit your particular airport's needs.

## Sensors Range

The Icelert Mk8 has the ability to interface with a range of different weather sensors from active Runway Sensors to Air/RH to Visibility Sensors. The adaptability allows the Icelert Mk8 to be integrated into a customised system in order to provide the weather information that is required.

## Communications

A range of communication media may be used to transfer road weather information from the AWIS, including PSTN modem, GSM, GPRS, radio or packet-radio. PSTN modem and GSM/GPRS modems may be included on the main Icelert 2000 Mk8 electronics PCB.

## Web Based Management

Findlay Irvine provides an Icelert AWIS Bureau that allows airport managers to view the data being collected by the Icelert Mk8 sensors. This can be displayed on either a closed, desktop-based system placed within the decision making perimeter and/or via an online secure bureau portal that can be accessed by any internet-enabled device.

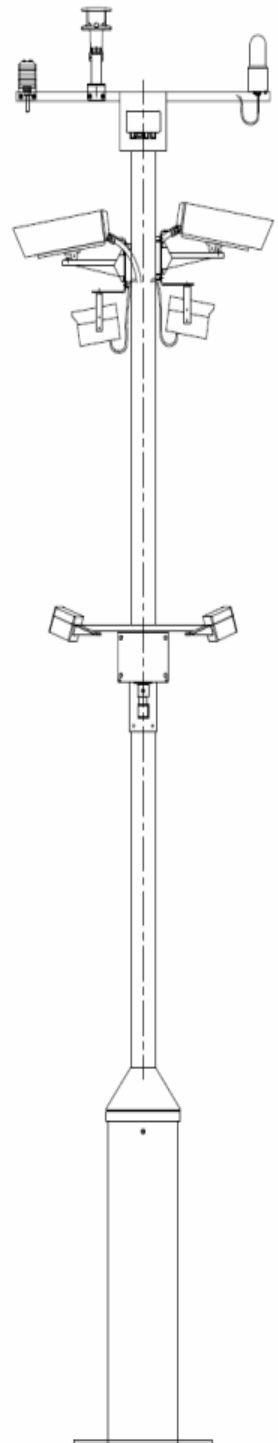
# Technical Specification

## Icelert Mk8

<b>Power requirements:</b>	Mains or Solar (optional Solar Panel extra) (Sensor configuration dependant)
<b>Mains Isolator Switch:</b>	Yes
<b>Heater:</b>	Anti-condensation
<b>Mount:</b>	Wooden Back plate Mounted, Stainless Steel Casing
<b>Expansion Board:</b>	Required for Standard Surface Sensors
<b>Communications:</b>	Modem (PTSN, GSM, GPRS, 3G), Fibre Optic, Radio WMO BUFR data format (TR2213)
<b>Programmable:</b>	Software is remotely upgradeable
<b>Memory:</b>	24 Local Archive
<b>Test Port:</b>	Local configuration & diagnosis

## Optional Sensors

<b>Runway Demountable:</b>	Standard Runway Sensor with 25m Cable
<b>Luft ARS31:</b>	Active Surface Sensor
<b>Deep Sensor:</b>	Two Deep Temperature Sensors
<b>Hygroclip:</b>	Air Temperature & relative Humidity Sensor
<b>WindSonic:</b>	Ultrasonic Wind Speed & Direction Sensor
<b>R2S PWS:</b>	Present Weather Sensor
<b>Sentry Visibility :</b>	Atmospheric Visibility Sensor



Findlay Irvine Ltd  
42 -44 Bog Road,  
Penicuik,  
EH26 9BU,  
Scotland, UK

**T** +44 1968 671 200  
**f** +44 1968 671 237

**e-mail** [sales@findlayirvine.com](mailto:sales@findlayirvine.com)  
**web** [www.findlayirvine.com](http://www.findlayirvine.com)