

ORDNANCE SURVEY GB

I:250 000 SCALE COLOUR RASTER™

– TECHNICAL SPECIFICATION

Version history

| Version | Date | Description |
|---------|---------|---|
| 2.8 | 12/2016 | Minor updates to the Product Guide. |
| 3.0 | 09/2022 | Product Guide split into this Technical Specification and an Overview. Formatting, style, and language updates to the document. |

Purpose of this document

This document provides information about and insight into the I:250 000 Scale Colour Raster product and its potential applications.

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Contact details

[OS website 'Contact us' page \(https://www.ordnancesurvey.co.uk/contact-us\)](https://www.ordnancesurvey.co.uk/contact-us).

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I. Product specification

The following table contains technical information about I:250 000 Scale Colour Raster:

Table I: Product specification.

| I:250 000 Scale Colour Raster specification | |
|--|--|
| Number of tiles in Great Britain | 56 (edge matched) |
| Tile size | 100km by 100km |
| Coverage | Great Britain |
| Availability | National coverage (in a single download) |
| Resolution | 254 dots per inch (dpi) |
| Data structure | Raster |
| Formats | TIFF with LZW compression |
| Storage volume (GB coverage) | 128 MB (compressed) 130 MB (uncompressed) |
| Update frequency | Annually (June) |

2. Product legend

The I:250 000 Scale Colour Raster product legend is maintained in English and Welsh. It defines all map symbols used in the product. You can download the legend on the [I:250 000 Scale Colour Raster support page of the OS website](https://www.ordnancesurvey.co.uk/business-government/tools-support/250k-raster-support) (<https://www.ordnancesurvey.co.uk/business-government/tools-support/250k-raster-support>) or use the links below:

- [English version of the I:250 000 Scale Colour Raster legend](https://www.ordnancesurvey.co.uk/documents/250k-raster-legend.pdf)
(<https://www.ordnancesurvey.co.uk/documents/250k-raster-legend.pdf>)
- [Welsh version of the I:250 000 Scale Colour Raster legend](https://www.ordnancesurvey.co.uk/documents/250k-raster-legend-welsh.pdf)
(<https://www.ordnancesurvey.co.uk/documents/250k-raster-legend-welsh.pdf>)

3. Gazetteer

The 1:250 000 Scale Gazetteer includes approximately 25 500 points that cover the extent of the 56 100km by 100km tiles. The information is provided as a single file in ASCII text format and is included in the compressed download file.

4. Georeferencing

A complete set of georeferencing files for 1:25 000 Scale Colour Raster is available for free download on the [Georeferencing files and land and sea tiles](https://www.ordnancesurvey.co.uk/business-government/tools-support/georeferencing) (<https://www.ordnancesurvey.co.uk/business-government/tools-support/georeferencing>) page of the OS website. The TIFF World Files (TFW) are for use in ESRI® ArcGIS and the TAB files for use in MapInfo®. To ensure that the georeferencing files work correctly, save them to the same directory as the map tile files.

Annex A: Additional resources

You can find additional information about the product in the:

- [I:250 000 Scale Colour Raster Product page on the OS website](https://www.ordnancesurvey.co.uk/business-and-government/products/250k-raster.html) (<https://www.ordnancesurvey.co.uk/business-and-government/products/250k-raster.html>)
- Overview document, which is available on the [I:250 000 Scale Colour Raster Product Support page on the OS website](https://www.ordnancesurvey.co.uk/business-government/tools-support/250k-raster-support) (<https://www.ordnancesurvey.co.uk/business-government/tools-support/250k-raster-support>)