

# Product Information Sheet

COMMISSION DELEGATED REGULATION (EU) 2019/2013

| No. | Parameter                                                                                                             | Parameter value and precision                                             |     |      | Unit            |             |
|-----|-----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|-----|------|-----------------|-------------|
| 1.  | Supplier's name or trade mark                                                                                         | SAMSUNG                                                                   |     |      |                 |             |
|     | Supplier's address                                                                                                    | (EU) PO Box 12987, Dublin, IE /<br>(UK) Saxony Way, Yateley, GU46 6GG, UK |     |      |                 |             |
| 2.  | Model identifier                                                                                                      | QE50QN90DAT                                                               |     |      |                 |             |
| 3.  | Energy efficiency class for standard Dynamic Range (SDR)                                                              | F                                                                         |     |      |                 |             |
| 4.  | On mode power demand in Standard Dynamic Range (SDR)                                                                  | 61.0                                                                      |     |      | W               |             |
| 5.  | Energy efficiency class (HDR)                                                                                         | G                                                                         |     |      |                 |             |
| 6.  | On mode power demand in High Dynamic Range (HDR), if implemented                                                      | 133.0                                                                     |     |      | W               |             |
| 7.  | Off mode, power demand, if applicable                                                                                 | N/A                                                                       |     |      | W               |             |
| 8.  | Standby mode power demand, if applicable                                                                              | 0.5                                                                       |     |      | W               |             |
| 9.  | Networked standby mode power demand, if applicable                                                                    | 2.0                                                                       |     |      | W               |             |
| 10. | Electronic display category                                                                                           | TELEVISION                                                                |     |      |                 |             |
| 11. | Size ratio                                                                                                            | 16                                                                        | :   | 9    | integer         |             |
| 12. | Screen resolution                                                                                                     | 3840                                                                      | x   | 2160 | pixels          |             |
| 13. | Screen diagonal                                                                                                       | 125.0                                                                     |     |      | cm              |             |
| 14. | Screen diagonal                                                                                                       | 50                                                                        |     |      | inches          |             |
| 15. | Visible screen area                                                                                                   | 67.5                                                                      |     |      | dm <sup>2</sup> |             |
| 16. | Panel technology used                                                                                                 | QLED LCD                                                                  |     |      |                 |             |
| 17. | Automatic Brightness Control (ABC) available                                                                          | Yes                                                                       |     |      |                 |             |
| 18. | Voice recognition sensor available                                                                                    | No                                                                        |     |      |                 |             |
| 19. | Room presence sensor available                                                                                        | No                                                                        |     |      |                 |             |
| 20. | Image refresh frequency rate (default)                                                                                | 144                                                                       |     |      | Hz              |             |
| 21. | Minimum guaranteed availability of software and firmware updates (from the date of end of the placement on the market | 8                                                                         |     |      | Years           |             |
| 22. | Minimum guaranteed availability of spare parts (from the date of end of the placement on the market                   | 7                                                                         |     |      | Years           |             |
| 23. | Minimum guaranteed product support                                                                                    | 7                                                                         |     |      | Years           |             |
|     | Minimum duration of the general guarantee offered by the supplier                                                     | 2 (Or 1)                                                                  |     |      | Years           |             |
| 24. | Power supply type                                                                                                     | Internal                                                                  |     |      |                 |             |
| 25. | External power supply (non-standardised and included in the product box)                                              |                                                                           |     |      |                 |             |
|     | i                                                                                                                     |                                                                           |     |      | N/A             | Description |
|     | ii                                                                                                                    | Input voltage                                                             | N/A |      | V               |             |
|     | iii                                                                                                                   | Output voltage                                                            | N/A |      | V               |             |
| 26. | External standardised power supply (or suitable one if not included in the product box)                               |                                                                           |     |      |                 |             |
|     | i                                                                                                                     | Supported standard name or list                                           |     |      | N/A             |             |
|     | ii                                                                                                                    | Required output voltage                                                   | N/A |      | V               |             |
|     | iii                                                                                                                   | Required delivered current (minimum)                                      | N/A |      | A               |             |
|     | iv                                                                                                                    | Required current frequency                                                | N/A |      | Hz              |             |