The QK12 is a stationary scanner specifically designed to read 1-D and 2-D barcodes displayed on the LCD screens of mobile phones, as well as those printed on paper. Unlike conventional scanners, the QK12 provides fast, reliable reading of LCD screens with differing contrasts, colors and reflections, even under poor lighting conditions. Applications include electronic ticketing, coupons and payments.

**FEATURES**

**[LCD readability]**
- Reads 1-D and 2-D barcodes (including the QR Code®) displayed on mobile phone LCDs

**[Backlight-off readability]**
- Reads codes regardless of backlight setting—even if backlight is off

**[Paper readability]**
- Also reads codes printed on paper

**[Fast reading speed]**
- High-speed reading of mobile-phone LCDs with different contrasts, colors and reflections

**[Easy to use]**
- Conveniently set and manage device parameters via user-friendly menus

**[Command control]**
- Scanner can be controlled by host-computer commands

**[Light weight and compact size]**
- Compact, lightweight scanner is easy to place anywhere

**SETTING SOFTWARE**
- DENTSO software conveniently allows device parameters to be set from a PC

**KEYBOARD-INTERFACE DATA CONVERSION**
- Software receives scanned data and converts it to user-readable format, as if it had been input by a keyboard

**APPLICATIONS**

**E-ticketing**
1. Apply for tickets by mobile phone
2. Mobile QR Code sent
3. Mobile QR Code is read at entrance gate; seating details and other services can also be provided

**Electronic Coupons and Membership Cards**
1. Access a site that issues electronic coupons
2. Mobile QR Code with coupon point information sent
3. Mobile QR Code is read to receive discounts, add membership points, etc.

**Electronic Payment**
1. Invoice with mobile QR Code sent by e-mail
2. Mobile QR Code is read, initiating payment

**User information**
- Merchant information

**Store**
- Utility company, etc.

**Billing request**
- Kiosk, gas station, convenience store, etc.
**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>Model</th>
<th>QK12-U (USB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Readable codes</td>
<td>LCD</td>
</tr>
<tr>
<td>Resolution</td>
<td>2-D code</td>
</tr>
<tr>
<td>Barcode</td>
<td>0.25 mm (EAN, UPC are 0.26 mm)</td>
</tr>
<tr>
<td>Scanning Area</td>
<td>With backlight on</td>
</tr>
<tr>
<td></td>
<td>With backlight off</td>
</tr>
<tr>
<td>Focusing point</td>
<td>7 mm</td>
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<tr>
<td>Reading confirmation</td>
<td>LED, beeper</td>
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<tr>
<td>Interface</td>
<td>Communication speed</td>
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<tr>
<td>Data transaction</td>
<td>Prefix/suffix</td>
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<tr>
<td>Power source</td>
<td>Power supply</td>
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<tr>
<td>Environmental requirements</td>
<td>Operating temperature</td>
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<tr>
<td></td>
<td>Operating humidity</td>
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<tr>
<td>Weight</td>
<td>Approx. 350 g</td>
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<tr>
<td>Other</td>
<td>Scanner setting software</td>
</tr>
</tbody>
</table>

**SOFTWARE**

**DIMENSIONS IN MM**

[DENSO ADC]

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INVENTOR OF THE QR CODE®