



## SCANTECH ID SG-15<sup>Colour</sup> Price Verifier

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### Introduction

The Shuttle SG-15<sup>Colour</sup> is an entry level, small and attractive price checker. The Shuttle features the latest technology and interfacing is either through Wireless RF or hard wired Ethernet.

The bright display has, depending on the font set, 3 or 5 lines and can display up to 20 characters per line. There is a choice of bar code scanners between the entry level single scan line CCD scanner and the high performance 24 scan lines omni – directional laser scanner (2D scan engine is also available per customers request). Because of its size and the sympathetic good looks, the Shuttle can be installed anywhere in a store including on the shelves.

This flexibility of installation is enhanced by the optional Power-over-Ethernet. The three available standard colours greatly help to fit most interiors.

### Features

- Driven by Linux OS
- 3.5" colour display
- Compatible with SG-15<sup>plus</sup> Price-Checker
- Self detection and configuration of scan-engine at start-up.
- Stand-by scheduler for sustainable use
- Choice of colour: Red, Black and Silver
- Choice of scanner: Laser Omni/CCD Single Line/2D imager
- Choice of Interface: Ethernet/WiFi/Power over Ethernet
- +5V power supply(SG-15 compatible)
- Wall mounting by 2 screws.
- Simple configuration by standard web browser.

# SCANTECH ID SG-15<sup>Colour</sup>

## Specifications

### • System Architecture

Processor	ARM Cortex-A7 Dual-Core
Operating Platform	Standard Linux (Kernel > 3.0)
Memory Flash	2GB, expandable with USB flash drive and SD card
Memory RAM	512MB
Software	Client applications included

### • Output Media

Display	3.5" diagonal
Brightness	450 nits 16million colours for high quality displaying
Resolution	320 x 240 pixels
Graphics Supported	PNG, JPEG, GIF, BMP
Audio	1 Speaker

### • Data Ports

USB 2.0	x1
LAN port 10/100MB	x1
Power Over Ethernet	Optional
Entry/Exit Gate Control Function GPIO	Optional (2-pin conn)

### • Network Interface

Wired LAN	* Ethernet :100MB Base-TX/10MB Base-T(802.3) standard on board * Power over Ethernet IEEE 802.af optional
Wireless LAN	802.11 A/B/G/N 2.4GHz
Protocols	WPA, PSK and WPA Enterprise security

### • Physical

Dimensions (H x W x D)	182 x 131 x 95mm (7.17 x 5.16 x 3.74 inch)
Weight	< 0.9 kg (2 lb)
Mounting Options	Wall mount with 2 screws (Scantech SG-15 compatible)

### • Data Input

#### Scanner Possibilities

#### \*Omni Directional Laser Scanner :

High Speed, hi sensitive and omni-directional scanning.  
Reading of fragmented bar codes.  
Visible laser diode 635nm.  
Scan pattern: 6 direction scan field, 24 lines.  
Scan rate:2000 scans/sec  
Up to 300mm@UPC/EAN 100%, PCS90%

#### \*CCD Scanner:

Smart detect up to 500 scans/sec

#### \*2D Imager:

Visible Red light 650nm  
Scan rate:200 scans/sec auto adaptive in linear mode,  
56 images/sec auto adaptive 2D mode.  
Resolution: 752 Hor. X 480 Vert. pixels, 256 gray levels.

#### Symbologies Supported

#### \*Omni Directional Laser Scanner:

EAN/UPC/JAN+Add-on,ISBN,Code 128,EAN128, Code 93,  
Code39, Code32, Codabar,Interleaved 2 of 5, MSI-Plessey  
and GS1 DataBar.

#### \*CCD Scanner:

All UPC/EAN/JAN, EAN128 Code, Code 39, Code 39 Full  
ASCII Code32 / Italian Pharmacy, Code 128,  
CODABAR/NW7,Interleave 25, Industrial 25, Matrix 25,  
MSI/PLESSEY, Telepen  
Code 93, Code 11, China Postage, Code 26, LCD25 and  
GS1 DataBar Family.

#### \*2D Imager:

1D Symbologies:EAN/UPC,Australian Post, Aztec, BPO,  
Canada Post, Dutch Post, EAN.  
UCC Composite, Interleaved 2 of 5, Japan Post, MSI Code,  
Planet, Plessey Code, Postnet, GS1 Databar, Standard 2  
of 5, Telepen, TLC39  
2D Symbologies: Datamatrix, Matrix 2 of 5, Maxi 2 of 5,  
Maxicode, QR code

### • Power Requirements

Power Supply	+5V/2A PSU or Power over Ethernet(IEEE802.3af)
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Power Consumption	3-5Watt (5.2Vdc, 580~1050mA) Depending on interface and scanner type.
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### • Environmental

Operating Temperature	0°~40°C(32°F~104°F)
Storage Temperature	-20°~60°C(-4°F~140°F)
Humidity	Humidity 5%~95% RH (non-condensing)

### • Regulatory

Electrical Safety : CE EN60950-1  
Laser Safety : CDRH 21 CFR part 1040  
IEC825 Class 1 IEC60825 Class 1  
BMI/RFI : CE EMC 2004/108/EEC

RoHs compliant

Due to Champstek's / Scantech ID's continuing product improvement programs, specifications and features are subject to change without notice.