

Code: SG-55HD

## CHARACTER GENERATOR OSD **SG-55HD**

Net: **127.74 EUR** Gross: **157.12 EUR**

The device is designed to display alphanumerical characters, raster graphics and vector graphics on the image from camera. The SG-55HD device is nothing more as the OSD-50HD equipped with a connector housing, stabilizer and service buttons.

From the video signal the SG-55HD operates as a loop-through device, equipped with signal input and output. The device control protocol can be found in the technical documentation.

In addition the SG-55HD can work in character terminal mode and display all character strings received from controlled device. An example can be displaying the weight, temperature, etc., from any sensor equipped with the RS-232 / RS-485 interface.

**For more information about OSD systems, visit [www.osd.systems](http://www.osd.systems)**



### SPECIFICATION

Supported standards:	AHD, HD-CVI, HD-TVI, PAL
Number of video inputs:	1 x BNC socket
Number of video outputs:	1 x BNC socket
Range RS-485:	1200 m terminal connector
Video signal amplification:	0 dB
The ability to change the font and create own table of graphic characters:	✓
Built-in KF protocols (cash registers):	—
Possibility to add KF protocols (cash registers):	—
Vector graphics support:	✓
Raster graphics support:	✓
The ability to firmware upgrade:	✓
PCB casing:	✓
Built-in stabilizer:	✓
Communication:	RS-485
Maximal number of characters in one line:	50
Maximal number of lines:	40
Maximum number of characters on the screen:	2000
The ability to change font size:	✓
The ability to change the position of the titles:	✓
Cross generator:	✓

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Keyboard lock:	—
Power supply:	12 V DC / 200 mA (power adapter not included)
Support:	<ul style="list-style-type: none"> <li>• the scales supporting the cougar 8530 protocol, eg.: METTLER TOLEDO 8530</li> <li>• the AXIS, RADWAG, RHEWA scales</li> <li>• time &amp; attendance recorders, eg.: EVR-2</li> <li>• the SG-1 mode - the protocol of SG-1 device operating in symbols display mode, ability to implement custom protocols</li> <li>• character terminal mode and hexadecimal displaying</li> <li>• You can customize the software to your needs, such as adding a new communication protocol that supports other devices than specified</li> </ul>
Weight:	0.09 kg
Dimensions:	120 x 62 x 30 mm
Manufacturer / Brand:	DELTA
Guarantee:	<b>3 years</b>

## PRESENTATION



Front panel:



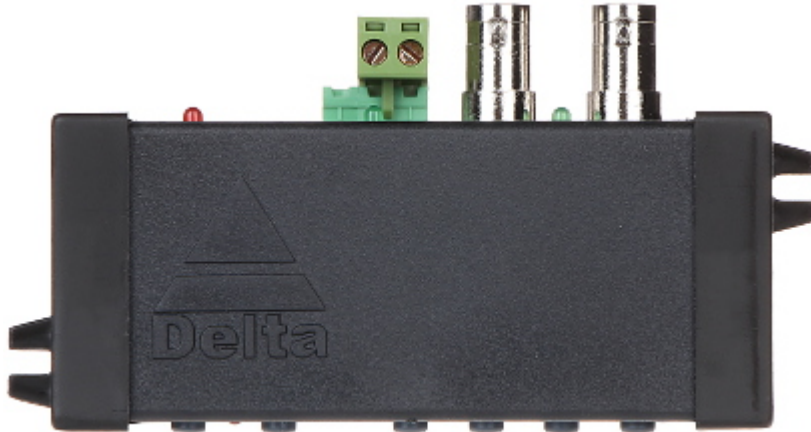
Connectors:



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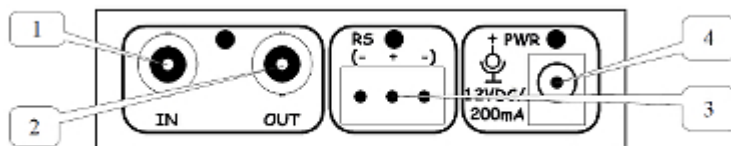


Top view:



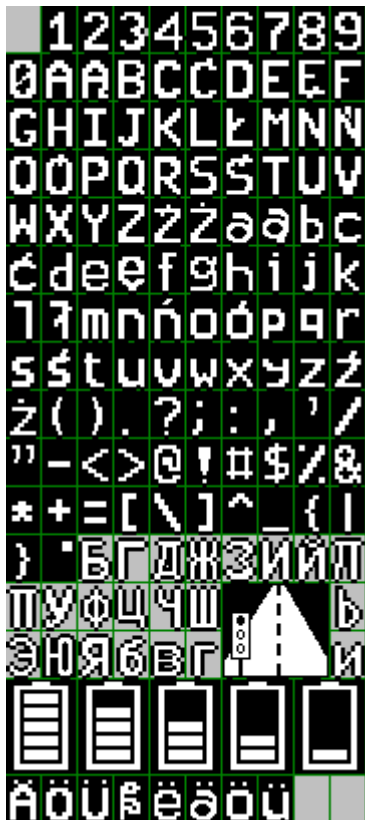
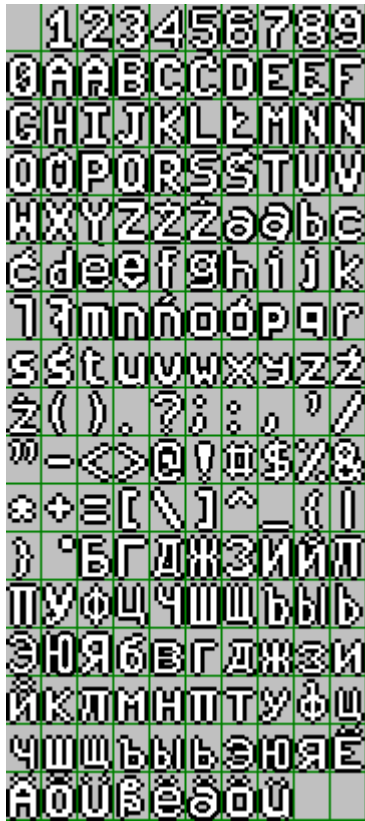
Configuration and changing the operation mode of the device is made by 6 keys used to navigate the on-screen menu visible after connecting the device to the receiver. The keys with arrows "up", "down" allow to navigate through the menu, the "ENTER" key allows to change the parameter value and enter to the sub-/top-menu, and the "SYSTEM" key is for manual selection of the supported system. The LED indicates that the device is in bootloader mode ready to update the firmware

Rear panel description:



- 1) Video input
- 2) Video output
- 3) RS-485
- 4) Power supply

The device has the ability to change the font and create own table of graphic characters:



OSD Systems - the presentation:

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An exemplary OSD system for analogue HD cameras based on arduino nano using selected sensors:

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Example of application:

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The data grabbing manual, to add a new protocol using the "FG data grabber" application:

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