



BCS-04

2D Desktop Barcode Scanner



2. Technical parameters

Product Specification: BCS-04 2D Desktop Barcode Scanner	
Scanner parameters:	
Optical resolution	CMOS 640 pixels (H) x 480 pixels (V)
Lighting source	red LED supplement
Resolution	≥4mil
Scanning speed	1500 times/s
Scanning angle	Roll 360° / Pitch ±55° / Yaw ±55°
Sweeping barcode type	paper, thin film medium one-dimensional; mobile phone, flat screen, etc.
Printing contrast	20%
Error rate	≤1/2,000,000
Interface type	USB
Prompt mode	Buzzer, LED
Decoding Capability	1D: Codabar、Code 39、Code 32 Pharmaceutical (PARAF)、Interleaved 2 of 5、NEC 2 of 5、Code 93、Straight 2 of 5 Industrial、Straight 2 of 5 IATA、Matrix 2 of 5、Code 11、Code 128、GS1-128、UPC-A、UPC-E、EAN/JAN-8、EAN/JAN-13、MSI、GS1 DataBar Omnidirectional、GS1 DataBar Limited、GS1 DataBar Expanded、China Post(Hong Kong 2 of 5)、Korea Post.
	2D: PDF417, Micro PDF417, GS1 Composite Codes, QR Code, Data Matrix, MaxiCode, Aztec
Electric voltage	5V DC
Current	Work Current 200mA, Stand-by Current 110mA, Starting Current 280mA
Ambient Light Immunity	0-100,000 Lux
Mechanical parameters	
Dimensions	155mm x 100mm x100mm
Weight	200g
Enviromental parameter	
Working temperature	-20℃～60℃
Storage temperature	-30℃～70℃
Humidity	5% to 95% relative humidity, non-condensing
Drop test	2m

3. Packaging Details

- * Standard List: Desktop Scanner*1, Cable *1, Manual *1, Box *1.
- * Single Package Size: 170*135*105mm
- * Single Gross Weight: 0.45kg
- * 30pcs/CTN Carton Size: 545*420*360mm
- * 30pcs/CTN Carton G.W.:15Kg, N.W:13.5Kg

4.Product Pictures

Plug and Play

No driver needed



USB Wired

Wide Application





Wide Angle Lens Design

Scans a large area, Simple operation, automatic sensing when bar code is near the scanning window, quick recognition





EU DECLARATION OF CONFORMITY

1. Model No., trademark:

Trademark	POWER ON
Model Name	BCS-01,BCS-01W,BCS-02,BCS-02BW, BCS-03,BCS-03BW, BCS-06BW, BCS-07BW,BCS-04,BCS-05BW

2. Name and address of the manufacturer:

Name of the manufacturer	DOT MEDIA LTD
Address	KATEVASIAS & NTALIAS 18 AXARNAI, GREECE

3. This declaration of conformity is issued under the sole responsibility of the manufacturer.

4. Object of the declaration:

Product Type	Model Name	Sales Name
Barcode Scanner	BCS-01,BCS-01W,BCS-02,BCS-02BW, BCS-03,BCS-03BW, BCS-06BW, BCS-07BW, BCS-04,BCS-05BW	BCS-01,BCS-01W,BCS-02,BCS-02BW, BCS-03,BCS-03BW, BCS-06BW, BCS-07BW, BCS-04,BCS-05BW

5. The object of the declaration described above is in conformity with the relevant Union harmonisation legislation directive and Other Union harmonisation legislation where applicable:

Radio Equipment Directive 2014/53/EU
RoHS Directive

6. References to the relevant harmonised standards or the common specifications used or references to the other technical specifications in relation to which conformity is declared:

Radio Equipment Directive	EN 55032:2015+A11:2020; EN IEC 61000-3-2:2019+A1:2021 EN 61000-3-3:2013+A2:2021; EN 55035: 2017+A11:2020 EN 301 489-1 V2.2.3 (2019-11); EN 301 489-17 V3.2.4 (2020-09) EN 300 328 V2.2.2 (2019-07); EN 62479:2010, EN IEC 62368-1:2020+A11:2020; EN IEC 62680-1-3:2022
RoHS Directive	Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment, 2011/65/EU Annex II and its amendment Directive (EU) 2015/863 as well as RoHS harmonized standard EN IEC 63000: 2018.

7. EU Authorized Representatives Details:

Name: DOT MEDIA LTD

Address: KATEVASIAS & NTALIAS 18 AXARNAI, GREECE

Contact Person: Theodoros Mavroeidis

E-mail: info@dot-media.gr

Place and date of issue

AXARNAI, 20/11/2025

Signature

DOTMEDIA ΕΜΠΟΡΙΑ ΑΝΑΛΩΣΙΜΩΝ ΕΙΔΩΝ
& ΕΦΑΡΜΟΓΩΝ ΠΛΗΡΟΦΟΡΙΚΗΣ ΕΠΕ
ΜΟΝΑΡΧΙΚΟ ΣΥΜΒΟΛΟ ΚΑΙ ΕΠΙΧΕΙΡΗΣΙΑΚΟΥ ΕΞΟΠΛΙΣΜΟΥ
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Technical Manager



ΔΗΛΩΣΗ ΣΥΜΜΟΡΦΩΣΗΣ ΕΕ

1. Αρ. μοντέλου, εμπορικό σήμα:

Εμπορικό σήμα	POWER ON
Όνομα μοντέλου	BCS-01,BCS-01W,BCS-02,BCS-02BW, BCS-03,BCS-03BW, BCS-06BW, BCS-07BW,BCS-04,BCS-05BW

2. Όνομα και διεύθυνση του κατασκευαστή:

Όνομα του κατασκευαστή	DOT MEDIA LTD
Διεύθυνση	Κατεβάσιας & Ντάλιας 18, Αχαρνές, Ελλάδα

3. Αυτή η δήλωση συμμόρφωσης εκδίδεται με αποκλειστική ευθύνη του κατασκευαστή.

4. Αντικείμενο της δήλωσης:

Τύπος προϊόντος	Όνομα μοντέλου	Όνομα πωλήσεων
Barcode Scanner	BCS-01,BCS-01W,BCS-02,BCS-02BW, BCS-03,BCS-03BW, BCS-06BW, BCS-07BW, BCS-04,BCS-05BW	BCS-01,BCS-01W,BCS-02,BCS-02BW, BCS-03,BCS-03BW, BCS-06BW, BCS-07BW, BCS-04,BCS-05BW

5. Το αντικείμενο της δήλωσης που περιγράφεται παραπάνω είναι σύμφωνο με τη σχετική οδηγία νομοθεσίας εναρμόνισης της Ένωσης και με άλλη νομοθεσία εναρμόνισης της Ένωσης, όπου ισχύει:

Οδηγία 2014/53/ΕΕ για τον ραδιοεξοπλισμό
Οδηγία RoHS

6. Παραπομπές στα σχετικά εναρμονισμένα πρότυπα ή στις κοινές προδιαγραφές που χρησιμοποιούνται ή παραπομπές σε άλλες τεχνικές προδιαγραφές σε σχέση με τις οποίες δηλώνεται η συμμόρφωση:

Οδηγία για τον ραδιοεξοπλισμό	EN 55032:2015+A11:2020; EN IEC 61000-3-2:2019+A1:2021 EN 61000-3-3:2013+A2:2021; EN 55035: 2017+A11:2020 EN 301 489-1 V2.2.3 (2019-11); EN 301 489-17 V3.2.4 (2020-09) EN 300 328 V2.2.2 (2019-07); EN 62479:2010, EN IEC 62368-1:2020+A11:2020; EN IEC 62680-1-3:2022
Οδηγία RoHS	Περιορισμός της χρήσης ορισμένων επικίνδυνων ουσιών σε ηλεκτρικό και ηλεκτρονικό εξοπλισμό, 2011/65/ΕΕ Παράρτημα II και τροποποιητική Οδηγία (ΕΕ) 2015/863 καθώς και εναρμονισμένο πρότυπο RoHS EN IEC 63000: 2018.

7. Στοιχεία εξουσιοδοτημένων αντιπροσώπων της ΕΕ:

Όνομα: DOT MEDIA LTD

Διεύθυνση: Κατεβάσιας & Ντάλιας 18, Αχαρνές, Ελλάδα

Υπεύθυνος επικοινωνίας: Θεόδωρος Μαυροειδής

E-mail: info@dot-media.gr

Τόπος και ημερομηνία έκδοσης

ΑΧΑΡΝΕΣ, 20/11/2025

Υπογραφή

DOTMEDIA ΕΜΠΟΡΙΑ ΑΝΑΛΟΓΙΣΜΩΝ ΕΙΔΩΝ
& ΕΦΑΡΜΟΓΩΝ ΠΛΗΡΟΦΟΡΙΚΗΣ ΕΠΕ
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Θεόδωρος Μαυροειδής

Τεχνικός Διευθυντής



SKU: BCS-04

Type: 2D

Barcode Scanner

User Manual

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General Settings



Factory Default

If the scanner can not work normally, Pls scan "Factory Default"



CR



Tab



LF+CR



NONE



Auto Sense Mode



Continue Scan Mode



All lowercase



All uppercase

Buzzer Setup

Only scan "Factory Default" (on page 1) can open sound under "Volume Off" mode



High volume -Default



Medium volume



Low volume



Volume Off

Invoice Function



ON



OFF

Interface setup



USB KBW



USB COM



TTL 232-9600, NO, 8, 1 -Default

Serial Port Setup



1200bps



2400bps



4800bps



9600bps



19200bps



38400bps



57600bps



115200bps



Odd



Even



None



1 Stop Bit



2 Stop Bit

Language



American Keyboard



Germany



France



Sweden



Belgium



Finland



Russia



Turkey_Q



Portugal



Norway



England



Denmark



Spain



Italy



Czech



Japan

Output Interval of The Same Code

In continuous mode and automatic induction mode



None



Delay 1s



Delay 3s



Delay 5s



Delay 7s



Delay forever

Barcode Type ON/OFF

 1D CODE(ON)	 1D CODE(OFF)
 2D CODE(ON)	 2D CODE(OFF)
 1D Reverse Code (ON)	 QR Reverse Code (ON)
 DM Reverse Code (ON)	 PDF417 Reverse Code(ON)
 UPC-A(ON)	 UPC-A(OFF)
 UPC-A Check Bit (ON)	 UPC-A Check Bit(OFF)
 UPC-E(ON)	 UPC-E(OFF)

 UPC-e Check Bit(ON)	 UPC-e Check Bit(OFF)
 UPC-E toUPC-A(ON)	 UPC-E to UPC-A(OFF)
 UPC-A to EAN-13(ON)	 UPC-A to EAN-13(OFF)
 EAN-8 (ON)	 EAN-8 (OFF)
 EAN-13 (ON)	 EAN-13 (OFF)
 CODE 128 (ON)	 CODE 128 (OFF)
 GS1-128 (ON)	 GS1-128 (OFF)

 IGBT-128 (ON)	 IGBT-128 (OFF)
 Interleaved 2 of 5 (ON)	 Interleaved 2 of 5 (OFF)
 Matrix 2 of 5 (ON)	 Matrix 2 of 5 (OFF)
 CODE 39 (ON)	 CODE 39 (OFF)
 Code39 Check Bit (ON)	 Code39 Check Bit (OFF)
 Code 39 Full ASCII (ON)	 Code39 Full ASCII (OFF)
 CODE 32 (ON)	 CODE 32 (OFF)

 CODE 93 (ON)	 CODE 93 (OFF)
 CODE 11 (ON)	 CODE 11 (OFF)
 CODABAR (ON)	 CODABAR (OFF)
 PLESSEY (ON)	 PLESSEY (OFF)
 Industrial 2 of 5 (ON)	 Industrial 2 of 5 (OFF)
 MSI (ON)	 MSI (OFF)
 ITF14 (ON)	 ITF14 (OFF)

 QR CODE (ON)	 QR CODE (OFF)
 Data Matrix (ON)	 Data Matrix (OFF)
 PDF417 (ON)	 PDF417 (OFF)
 Aztec code (ON)	 Aztec code (OFF)
 Maxi code (ON)	 Maxi code (OFF)
 GS1-Databar (ON)	 GS1-Databar (OFF)
 Brazilian Bank code (ON)	 Brazilian Bank code (OFF)

Hide the front characters



Hide the front characters

The first: Scan the set-up code “ON”.

The second step: Scan “Hide the front characters”.

The third step: Scan the number setting code corresponding to the character on page 13 (each character is 3 digits).

E.g. The bar code content is "123456789" , if you want to hide the previous two characters, then scan "0", "0", "2" settings code on page 13, then two front characters will be hidden when scanning this bar code, "3456789" will be shown.

Hide the behind characters



Hide the behind characters

The first: Scan the set-up code “**ON**”.

The second step: Scan “**Hide the behind characters**”.

The third step: Scan the number setting code corresponding to the character on page 13 (each character is 3 digits).

E.g. The bar code content is "123456789" , If you want to hide the last two characters, then scan "0" and "0" and "2" settings code on page 13, then the last two characters will be hidden when scanning this bar code, "1234567" will be shown.

Add Prefix/Suffix	
 Add Prefix	 Add Suffix
 Finish Setting	 Output Setting

The first: Scan the set-up code “**Add Suffix**” .

The second step: Scan the required character code. Refer to Appendix 1 and Appendix 2.

The third step: Scan “**Finish Setting**”.

The fourth step: Scan “**Output Setting**”.

E.g. The bar code content is "123456789", If you want to add B and 1 behind the bar code, scan "1", "0", "6", "6", "1", "0", "4", "9" in Appendix1 on page 13(In Appendix 2,B is 1066; In Appendix 2,1 is 1049), "123456789B1" will be shown.

For details, **Appendix 1** and **Appendix 2**

Appendix 1: Numbered bar code



0



1



2



3



4



5



6



7



8



9

Appendix 2: Character comparison table

Scan Value	HEX Value	Keyboard Function Key	Keyboard Ctrl Combination
1000	00h	Null	CTRL 2
1001	01h	Keypad Enter	CTRL A
1002	02h	Caps lock	CTRL B
1003	03h	Right Arrow	CTRL C
1004	04h	Up Arrow	CTRL D
1005	05h	Null	CTRL E
1006	06h	Null	CTRL F
1007	07h	Enter	CTRL G
1008	08h	Left Arrow	CTRL H
1009	09h	Horizontal Tab	CTRL I
1010	0Ah	Down Arrow	CTRL J
1011	0Bh	Vertical Tab	CTRL K
1012	0Ch	Backspace	CTRL L
1013	0Dh	Enter	CTRL M
1014	0Eh	Insert	CTRL N
1015	0Fh	Esc	CTRL O
1016	10h	F11	CTRL P
1017	11h	Home	CTRL Q
1018	12h	Print Screen	CTRL R
1019	13h	Delete	CTRL S
1020	14h	tab+shift	CTRL T
1021	15h	F12	CTRL U
1022	16h	F1	CTRL V
1023	17h	F2	CTRL W
1024	18h	F3	CTRL X
1025	19h	F4	CTRL Y
1026	1Ah	F5	CTRL Z
1027	1Bh	F6	CTRL [
1028	1Ch	F7	CTRL \
1029	1Dh	F8	CTRL]
1030	1Eh	F9	CTRL 6
1031	1Fh	F10	CTRL -
1032	20h	Space	Space
1033	21h	/A	!
1034	22h	/B	'
1035	23h	/C	#
1036	24h	/D	\$
1037	25h	/E	%
1038	26h	/F	&
1039	27h	/G	'
1040	28h	/H	(

1041	29h	/I	)
1042	2Ah	/J	*
1043	2Bh	/K	+
1044	2Ch	/L	,
1045	2Dh	-	-
1046	2Eh	.	.
1047	2Fh	/	/
1048	30h	0	0
1049	31h	1	1
1050	32h	2	2
1051	33h	3	3
1052	34h	4	4
1053	35h	5	5
1054	36h	6	6
1055	37h	7	7
1056	38h	8	8
1057	39h	9	9
1058	3Ah	/Z	:
1059	3Bh	%F	;
1060	3Ch	%G	<
1061	3Dh	%H	=
1062	3Eh	%I	>
1063	3Fh	%J	?
1064	40h	%V	@
1065	41h	A	A
1066	42h	B	B
1067	43h	C	C
1068	44h	D	D
1069	45h	E	E
1070	46h	F	F
1071	47h	G	G
1072	48h	H	H
1073	49h	I	I
1074	4Ah	J	J
1075	4Bh	K	K
1076	4Ch	L	L
1077	4Dh	M	M
1078	4Eh	N	N
1079	4Fh	O	O
1080	50h	P	P
1081	51h	Q	Q
1082	52h	R	R
1083	53h	S	S
1084	54h	T	T

1085	55h	U	U
1086	56h	V	V
1087	57h	W	W
1088	58h	X	X
1089	59h	Y	Y
1090	5Ah	Z	Z
1091	5Bh	%K	[
1092	5Ch	%L	\
1093	5Dh	%M	]
1094	5Eh	%N	^
1095	5Fh	%O	_
1096	60h	%W	'
1097	61h	+A	a
1098	62h	+B	b
1099	63h	+C	c
1100	64h	+D	d
1101	65h	+E	e
1102	66h	+F	f
1103	67h	+G	g
1104	68h	+H	h
1105	69h	+I	i
1106	6Ah	+J	j
1107	6Bh	+K	k
1108	6Ch	+L	l
1109	6Dh	+M	m
1110	6Eh	+N	n
1111	6Fh	+O	o
1112	70h	+P	p
1113	71h	+Q	q
1114	72h	+R	r
1115	73h	+S	s
1116	74h	+T	t
1117	75h	+U	u
1118	76h	+V	v
1119	77h	+W	w
1120	78h	+X	x
1121	79h	+Y	y
1122	7Ah	+Z	z
1123	7Bh	%P	{
1124	7Ch	%Q	
1125	7Dh	%R	}
1126	7Eh	%S	~
1127	7Fh		Undefined

Frequently ask question

The bar codes in the user manual are for programming, please don't scan them arbitrarily when no need, otherwise may affect the normal use of the product.

Please try to scan "Restore defaults "bar code in the user manual for a try if the scanner cannot use normally; if problem still not resolve, please try following methods.

Problem 1:

the scanner doesn't have electricity to start on.

Reason:

1. the cable interface loosed, please fixed connection interface.
2. the computer front USB port power supply shortage, please replace the computer interface or change another to try.
3. used the incorrect cables, please use the original cable which the factory is equipped with
4. cable fault, please send back to the factory repair.

Problem 2:

the scanner has laser, but can't read the barcode.

Reason:

1. barcode has flawed, and try to scan the same type barcodes for testing again.
2. the scanning mode is not correct, scanning laser need to completely cover the barcode, if still can't read, please adjust the scanning distance and Angle, the scanner can't read the barcode at 90° angle.
3. the scanner did not open the corresponding code system, it has to scan the barcode after open the corresponding code system.

Problem 3:

the scanner has laser and it can read barcode, but can't upload the data

Reason:

1. The scanner has set up the incorrect output mode, please set the correct output mode refer to the manual.
2. the cable transmission failure, please replace the cable.

Problem 4:

the scanner has laser and it can read barcode. but it uploads the wrong decoding barcode.

Reason: the keyboard layout of the scanner is different with the country you used, please use the scanner to read the keyboard settings on the manual.

If you have any question or concern about the operation of the scanner, please contact us!

SKU: BCS-04

Producer: Dotmedia ltd

Address: Katevasias & Ntalias 18 Axarnai, Greece

Declaration for EU Hereby, Dotmedia ltd declares that the radio equipment type BCS-04 is in compliance with Directive 2014/30/EU, the full text of the EU declaration of conformity is available at the following internet address: <https://www.dot-media.gr/el/>



DOT MEDIA®

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