

Handheld Reader

Versatile, powerful decode performance for any application.

- Simple configuration and management of multiple readers via WebLinkPc
- Point-and-shoot decode performance and minimal workflow disruption
- Industry-leading 1D/2D DPM decoding performance with Omron's X-Mode Imaging Technology (V410-H XD)
- · IP52 sealing to protect against spills
- Captures 1D and 2D barcodes at variable distances and densities
- Covered speaker and screw holes to mitigate bacteria buildup (V410-H HC)
- · On-the-fly switching between handheld and hands-free reading

Product Ordering Information



Part	Description	Part Number
	V410-H XD Handheld Reader, Black Grey, Wired, with X-Mode	V410-HDS4608XD
	V41-H SR Handheld Reader, Black Grey, Wired	V410-HDS4608SR
	V410-H HC Handheld Reader, White, Wired	V410-HDS4608HC



V410-H

Accessories

Appearance	Туре	Part Number
	Presentation Stand, V410-H	V410-AS0
	Cable Assembly, Style 3 USB, 7 Ft, Mod Plug	V410-WUB-2M
	Cable Assembly, RS232, DB9F, TXD-2, 7 Ft, V410-H	V410-WR-2M
	Kit, V410-H AC Power Supply 5.2VDC, 1.1A	V410-AC0-1

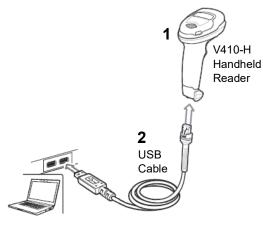


Zapraszamy do kontaktu! Więcej informacji: www.kreski.pl

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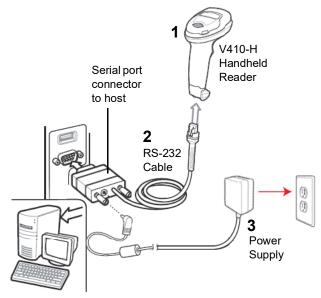
Configurations

• USB



Part	Description	Part Number
	V410-H XD Handheld Reader, Black Grey, Wired, with X-Mode	V410-HDS4608XD
1	V410-H SR Handheld Reader, Black Grey, Wired	V410-HDS4608SR
	V410-H HC Handheld Reader, White, Wired	V410-HDS4608HC
2	Cable, USB, 7 ft., Mod Plug	V410-WUB-2M

• RS-232



Part	Description	Part Number
	V410-H XD Handheld Reader, Black Grey, Wired, with X-Mode	V410-HDS4608XD
1	V410-H SR Handheld Reader, Black Grey, Wired	V410-HDS4608SR
	V410-H HC Handheld Reader, White, Wired	V410-HDS4608HC
2	Cable, RS-232, DB9F, TXD-2, 7 ft.	V410-WR-2M
3	Kit, V410-H AC Power Supply, 5.2 VDC, 1A	V410-AC0-1

<u>Kr</u>eski

Zapraszamy do kontaktu! Więcej informacji: www.kreski.pl

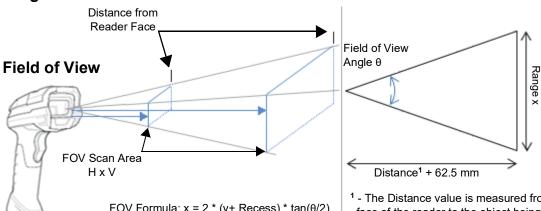


Ratings and Specifications

Test mm 1x 67 mm 1x 48 mm 12 Weight 5.7 or 2/161 g Input Votage Range 4.5 to 5.5 VDC Host Powered: 4.5 to 5.5 VDC External Power Supply Operating Current (Idle) at Nominal Votage (S.V) 375 mA (typical) 340 mA (typical) 375 mA (typical) Standty Current (Idle) at Nominal Votage (S.V) Isoma (typical) Isoma (typical) 375 mA (typical) Supported Host Interfaces USB 1.1, R5-232 Weight Healthcare White Support (the Support) Support cover 90 International keyboards Direct Decode Indicator, Good Decode Lips, rear view LEDs, Boeper (adjustable tone and volume), haptic/viewation Direct Decode Indicator, Good Decode LEDs, rear view LEDs, Boeper (adjustable tone and volume), haptic/viewation Aming Pattern: circular 528mm true (true adjustable tone and volume), haptic/viewation Aming Pattern: circular 528mm true (true adjustable tone and volume), haptic/viewation Aming Pattern: circular 528mm true (true adjustable tone and volume), haptic/viewation Aming Pattern: circular 528mm true (true adjustable tone and volume), haptic/viewation Aming Pattern: circular 528mm true (true adjustable tone and volume), haptic/viewation Aming Pattern: circular 528mm true (true adjustable tone and volume), haptic/viewation Aming Pattern: circular 528mm true (true adjustable tone and volume), haptic/viewation Aming Pattern: circular 528mm true (true adjustable tone advolume), haptic/viewation Aming Pattern: circular 528mm true		1	1	t			
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(5.0v) Tab Unix (sylam) Supported Host Interfaces Black Grey Healthcare White Supported Host Interfaces USB 11. R5-232 USB 11. R5-232 USB Cartification USB 11. R5-232 USB 11. R5-232 User Indicators Direct Decode Indicator, Good Decode LEDs, rear view LEDs, bacepar (alguabate bren and volume), Bacepar (alguabate bren and volume), Bacepa	Operating Current at Nominal Voltage (5.0V)	375 mA (typical)	340 mA (typical)	375 mA (typical)			
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1280 x 800 pixels Minimum Print Contrast Minimum Print Contrast Skew Tolerance 91ch Tolerance 91ch Tolerance 0° - 380° Braining Characteristics Graphics Format Support Images can be exported as Bitmap, JPEG, or TIFF Brage Quality Brownometal Operating Temperature 32.0° to 152.0° F / 0.0° to 50.0° C Storage Temperature Op Specification Dop Specification Designed to withstand multiple drops at 6.0 ft./1.8 m to concrete Tumble Specification Designed to withstand multiple drops at 6.0 ft./1.8 m to concrete Tumble Specification Designed to withstand multiple drops at 6.0 ft./1.8 m to concrete Tumble Specification Designed to withstand multiple drops at 6.0 ft./1.8 m to concrete Tumble Specification Designed to withstand multiple drops at 6.0 ft./1.8 m to concrete Tumble Specification Doub Object-andies / 0.1 107.600 toix Approved Cleaners Standard disinfectants Electrostatic Discharge (ESD) Approved Cleaners Grops fter (Cock, Micro QF, Artor, DataBan Base 22 (Italian Pharam) Cock Micro QF, Artor, DataBan Base 22 (Italian Pharam) Cock Micro QF, Artor, Databan, Poota	Illumination	(2) Warm White LEDs	(2) 660nm Red LEDs	(2) Warm White LEDs			
Minimum Print Contrast 15% minimum reflective difference Skew Tolerance +-60° Pich Tolerance +-60° Roll Tolerance 0° - 360° Minimum Print Contrast 0° - 360° Roll Tolerance 0° - 360° Roll Tolerance 0° - 360° Roll Tolerance 0° - 360° Graphics Format Support Image can be exported as Bitmap, JPEG, or TIFF Image Characteristics Graphics Format Support Environmental 32.0° to 122.0° F / 0.0° to 50.0° C Storage Temperature -40.0° to 158.0° F / 4.00° to 70.0° C Humidity 5% to 95% RH, non-condensing Drop Specification Designed to withstand Aubied orbits at 0.0° L.18 m to concrete Tumble Specification Designed to withstand 2.000 tumbles in 1.5 f./0.5 m tumbler Environmental Sealing IP52 Approved Cleaners Standard disinfectants Electrostatic Discharge (ESD) ESD per EN0100-4.2, +/-15 KV Xir, +/4 KV Undirect Ambient Light Immunity 0 to 10,000 ford-candes / 0 to 10,7600 tux Accessories Code 39, Code 128, Code 93, Codebar/NV/7, Code 11, MSI Plesesy, UPC/EAN, 12 of 5, Korean 3 of 5, GS1 DataBarbarbarb	Imager Field of View	34° H x 21.6° V nominal	36.1° H x 22.6° V nominal	35° H x 22° V nominal			
Skew Tolerance +/- 60° Pitch Tolerance	Image Sensor		1280 x 800 pixels	1			
Pitch Tolerance +/- 60° Roll Tolerance 0° - 360° Imaging Characteristics	Minimum Print Contrast	15% minimum reflective difference					
Roll Tolerance 0° - 360° Imaging Characteristics Images can be exported as Bitmap, JPEG, or TIFF Graphics Format Support Images can be exported as Bitmap, JPEG, or TIFF Image Quality 96 PPI on an A4 document Environmental 32.0° to 122.0° F / 0.0° to 50.0° C Storage Temperature -40.0° to 158.0° F / -40.0° to 70.0° C Humidity 5% to 95% RH, non-condensing Drop Specification Designed to withstand multiple drops at 6.0 ft./1.8 m to concrete Tumble Specification Designed to withstand 2.000 tumbles in 1.5 ft.0.5 m tumbler Environmental Sealing IPS2 Approved Cleaners Standard disinfectants Electrostatic Discharge (ESD) ESD per EN61000-4.2, v1.5 (KV Air, v1.8 KV Direct, +/.6 KV Indirect Accessories Gooseneck Intellistand Symbol Decode Capability Oto 10,000 foot-candles / 0 to 107.600 iux Code 39, Code 128, Code 93, Code 30a/CVV7, Code 11, MSI Pessey, UPC/EAN, 12 of 5, Korean 3 of 5, GS1 DataBar Base 32 (Italian Pharma) DPF417, Micro PDF417, Composite Codes, SecurPharm DPF417, Micro PDF417, Composite Codes, SecurPharm DPF417, Micro PDF417, Composite Codes, SecurPharm DPF417, Micro PDF417, Composite Codes, 3-2.0 mil Code 39 - 2.0 mil Co	Skew Tolerance	+/- 60°					
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Graphics Format Support Images can be exported as Bitmap, JPEG, or TIFF Image Quality 96 PPI on an A4 document Environmental 32.0° to 122.0° F / 0.0° to 50.0° C Storage Temperature 32.0° to 158.0° F / 40.0° to 70.0° C Humidity 5% to 95% RH, non-condensing Drop Specification Designed to withstand multiple drops at 6.0 h/1.8 m to concrete Tumble Specification Designed to withstand 2,000 tumbles in 1.5 ft/0.5 m tumbler Environmental Sealing IP52 Approved Cleaners Standard disinfectants Electrostatic Discharge (ESD) ESD per EN61000-4.2; +/-15 KV Air, +/-8 KV Indirect Ambient Light Immunity 0 to 10,000 foot-candles / 0 to 107,600 lux Accessories Goaseneck Intellistand Symbol Decode Capability DP5417, Micro PDF417, Composite Codes, TLC-39, Aztec, Data Matrix, QR Code, Micro QR, Han Xin, Postal Codes, SecurPharm PDF417, Micro PDF417, Composite Codes, SecurPharm, DotCode, Micro QR, Han Xin, Postal QC ded 39 - 2.0 mil Code 39 - 3.0 mil Code 39 - 2.0 mil Data Matrix - 4.0 mil Data Matrix, -4.0 mil Data Matrix, -4.0 mil Data Matrix - 4.0 mil Data Matrix, -4.0 mil Data Matrix, -4.0 mil Code 128: 2 mil<	Roll Tolerance	0° - 360°					
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Environmental Operating Temperature 32.0° to 122.0° F / 0.0° to 50.0° C Storage Temperature -40.0° to 158.0° F / -40.0° to 50.0° C Humidity 5% to 55% RH, non-condensing Drop Specification Designed to withstand 2.000 tumbles in 1.5 ft./0.5 m tumbler Environmental Sealing IP52 Approved Cleaners Standard disinfectants Electrostatic Discharge (ESD) ESD per EN61000-4-2, +/-15 KV Air, +/-8 KV Indirect Ambient Light Immunity 0 to 10.000 foot-candles / 0 to 107.600 lux Accessories Gooseneek Intellistand Symbol Decode Capability 0 to 10.000 foot-candles / 0 to 107.600 lux Accessories Gode 39, Code 128, Code 93, Code 177, Composite Codes, TLC-39, Aztec, Data Matrix, GR Code, Micro QR, Han Xin, Postal Codes, SecurPharm PDF417, Micro PDF417, Composite Codes, Ster, TLC-39, Aztec, Data Matrix, GR Code, Micro QR, Han Xin, Postal Codes, SecurPharm PDF417, Micro PDF417, Composite Codes, SecurPharm, DotCode, Dicto Bata Matrix, Code Jata Matrix, 4.0 mil Ock Ranges (Typical; Printing resolution, contrast, and ambient light-dependent) Code 39 - 2.0 mil Code 39	Graphics Format Support	Images can be exported as Bitmap, JPEG, or TIFF					
Operating Temperature 32.0° to 122.0° F / 0.0° to 50.0° C Storage Temperature -40.0° to 158.0° F / -40.0° to 70.0° C Humidity 5% to 95% RH, non-condensing Drop Specification Designed to withstand multiple drops at 6.0 ft/1.8 m to concrete Tumble Specification Designed to withstand 2.000 tumbles in 1.5 ft.0.5 m tumbler Environmental Sealing IF52 Approved Cleaners Standard disinfectants Electrostatic Discharge (ESD) ESD per EN61000-4.2; +/-15 KV Air, +/-8 KV Indirect Ambient Light Immunity 0 to 10.000 foot-candles /0 to 107.600 lux Accessories Gooseneck Intellistand Symbol Decode Capability ECde 39, Code 128, Code 93, Codabar/NW7, Code 11, MSI Plessey, UPC/EAN, 12 of 5, Korean 3 of 5, GS1 DataBar Base 32 (Italian Pharma) PDF417, Micro PDF417, Composite Codes, TLC-39, Aztec, Data Matrix, OR Code, Micro QR, Han Xin, Postal Codes, TLC-39, Aztec, Data Matrix, Codes, TLC-39, Aztec, Data Matrix, Codes, SecurPharm PDF417, Micro PDF417, Composite Codes, SecurPharm PDF417, Micro PDF417, Composite Codes, SecurPharm PDF417, Micro PDF417, Composite Codes, SecurPharm PDF417, Micro QR, Han Xin, Postal Codes, SecurPharm Codes 39 - 3.0 mil Data Matrix - 4.0 mil<	Image Quality	96 PPI on an A4 document					
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Code 128: 3 mil 0 in. / 0 mm to 3.5 in. / 88 mm 2.7 in. / 69 mm to 5.4 in. / 137 mm 1.7 in. / 43 mm to 5.0 in. / 127 mm Code 128: 5 mil 4.2 in. / 107 mm to 8.6 in. / 218 mm 1.7 in. / 69 mm to 5.4 in. / 137 mm 1.7 in. / 43 mm to 5.0 in. / 127 mm Code 39: 2 mil 0.2 in. / 5 mm to 3.0 in. / 76 mm 1.5 mil 1.6 in. / 0 mm to 3.8 in. / 96 mm 1.3 in. / 33 mm to 6.0 in. / 152 mm Code 39: 3 mil 0 in. / 0 mm to 5.2 in. / 132 mm 0.7 in. / 18 mm to 11.0 in. / 279 mm 0.1 in. / 3 mm to 11.5 in. / 292 mm	Symbology/Resolution	Near/Far	Near/Far	Near/Far			
Code 128: 5 mil 2.7 in. / 69 mm to 5.4 in. / 137 mm 1.7 in. / 43 mm to 5.0 in. / 127 mm Code 128: 15 mil 4.2 in. / 107 mm to 8.6 in. / 218 mm 2.7 in. / 69 mm to 5.4 in. / 137 mm 1.7 in. / 43 mm to 5.0 in. / 127 mm Code 39: 2 mil 0.2 in. / 5 mm to 3.0 in. / 76 mm 2.2 in. / 56 mm to 5.4 in. / 137 mm 1.3 in. / 33 mm to 6.0 in. / 152 mm Code 39: 3 mil 0 in. / 0 mm to 3.8 in. / 96 mm 2.2 in. / 56 mm to 5.4 in. / 137 mm 1.3 in. / 33 mm to 6.0 in. / 152 mm Code 39: 5 mil 0 in. / 0 mm to 5.2 in. / 132 mm 0.7 in. / 18 mm to 11.0 in. / 279 mm 0.1 in. / 3 mm to 11.5 in. / 292 mm	Code 128: 2 mil	0.3 in. / 8 mm to 2.3 in. / 58 mm					
Code 128: 15 mil 4.2 in. / 107 mm to 8.6 in. / 218 mm Code 39: 2 mil 0.2 in. / 5 mm to 3.0 in. / 76 mm Code 39: 3 mil 0 in. / 0 mm to 3.8 in. / 96 mm 2.2 in. / 56 mm to 5.4 in. / 137 mm 1.3 in. / 33 mm to 6.0 in. / 152 mm Code 39: 5 mil 0 in. / 0 mm to 5.2 in. / 132 mm 0.7 in. / 18 mm to 11.0 in. / 279 mm 0.1 in. / 3 mm to 11.5 in. / 292 mm	Code 128: 3 mil	0 in. / 0 mm to 3.5 in. / 88 mm					
Code 39: 2 mil 0.2 in. / 5 mm to 3.0 in. / 76 mm 2.2 in. / 56 mm to 5.4 in. / 137 mm 1.3 in. / 33 mm to 6.0 in. / 152 mm Code 39: 3 mil 0 in. / 0 mm to 3.8 in. / 96 mm 2.2 in. / 56 mm to 5.4 in. / 137 mm 1.3 in. / 33 mm to 6.0 in. / 152 mm Code 39: 5 mil 0 in. / 0 mm to 5.2 in. / 132 mm 0.7 in. / 18 mm to 11.0 in. / 279 mm 0.1 in. / 3 mm to 11.5 in. / 292 mm	Code 128: 5 mil		2.7 in. / 69 mm to 5.4 in. / 137 mm	1.7 in. / 43 mm to 5.0 in. / 127 mm			
Code 39: 3 mil 0 in. / 0 mm to 3.8 in. / 96 mm 2.2 in. / 56 mm to 5.4 in. / 137 mm 1.3 in. / 33 mm to 6.0 in. / 152 mm Code 39: 5 mil 0 in. / 0 mm to 5.2 in. / 132 mm 0.7 in. / 18 mm to 11.0 in. / 279 mm 0.1 in. / 3 mm to 11.5 in. / 292 mm	Code 128: 15 mil	4.2 in. / 107 mm to 8.6 in. / 218 mm					
Code 39: 5 mil 0 in. / 0 mm to 5.2 in. / 132 mm 0.7 in. / 18 mm to 11.0 in. / 279 mm 0.1 in. / 3 mm to 11.5 in. / 292 mm	Code 39: 2 mil	0.2 in. / 5 mm to 3.0 in. / 76 mm					
	Code 39: 3 mil	0 in. / 0 mm to 3.8 in. / 96 mm	2.2 in. / 56 mm to 5.4 in. / 137 mm	1.3 in. / 33 mm to 6.0 in. / 152 mm			
Code 39: 20 mil 0 in. / 0 mm to 44.0 in. / 1118 mm 0.6 in. / 15 mm to 29.0 in. / 737 mm	Code 39: 5 mil	0 in. / 0 mm to 5.2 in. / 132 mm	0.7 in. / 18 mm to 11.0 in. / 279 mm	0.1 in. / 3 mm to 11.5 in. / 292 mm			
	Code 39: 20 mil		0 in. / 0 mm to 44.0 in. / 1118 mm	0.6 in. / 15 mm to 29.0 in. / 737 mm			

V410-H	XD	SR	нс				
Item	Description						
PDF417: 4 mil	0 in. / 0 mm to 3.3 in. / 84 mm						
PDF417: 5 mil	0 in. / 0 mm to 3.8 in. / 96 mm						
PDF417: 6.6 mil	0 in. / 0 mm to 4.5 in. / 114 mm						
PDF417: 6.7 mil		1.3 in. / 33 mm to 10.0 in. / 254 mm	0.6 in. / 15 mm to 9.3 in. / 236 mm				
UPC: 13 mil (100%)	0 in. / 0 mm to 8.5 in. / 215 mm	0 in. / 0 mm to 28.0 in. / 711 mm	0 in. / 0 mm to 18.0 in. / 457 mm				
Data Matrix: 4 mil	0.2 in. / 5 mm to 2.8 in. / 71 mm						
Data Matrix: 5 mil	0 in. / 0 mm to 3.4 in. / 86 mm						
Data Matrix: 10 mil	0 in. / 0 mm to 4.8 in. / 122 mm	1.0 in. / 25 mm to 11.5 in. / 292 mm	0.2 in. / 5 mm to 9.5 in. / 241 mm				
QR Code: 10 mil	0 in. / 0 mm to 4.5 in. / 114 mm						
QR Code: 20 mil		0 in. / 0 mm to 17.5 in. / 445 mm	0 in. / 0 mm to 13.5 in. / 343 mm				
Utilities and Device Management							
WebLinkPc	Programs reader parameters, u	pgrades firmware, provides encoded ba troubleshooting	arcode data, allows image-based				
Regulatory Compliance							
LED Safety Standard		IEC 62471 Exempt Risk Group					
EMC Standards	EN 5503	32, EN 55035, FCC Part 15, Subpart B	(Class B)				
Safety Standards		EN 62368-1					
Certifications	RCM,	RCM, EAC, BSMI, CE, cULus (KC under application)					

Imager Field of View



Note: The Recess value of 62.5 mm is the distance from the reader front face to the image sensor inside the reader. The Distance and Recess values are added together for the FOV Scan Area calculation.

FOV Formula: $x = 2 * (y + \text{Recess}) * \tan(\theta/2)$

¹ - The Distance value is measured from the front face of the reader to the object being encoded.

XD: Image Field of View in degrees = 34 (horizontal) x 21.6 (vertical)

y (mm)	y + Recess	θ	Range x (mm)	FOV Scan Area H x V (mm)	Distance from Reader Face (mm)	FOV Scan Area H x V (in)	Distance from Reader Face (in)
5	67.5	34	41	41 x 26	5	1.6 x 1.0	0.2
5	67.5	21.6	26	-	-	-	-
71	133.5	34	82	82 x 51	71	3.2 x 2.0	2.8
71	133.5	21.6	51	-	-	-	-

SR: Image Field of View in degrees = 36.1 (horizontal) x 22.6 (vertical)

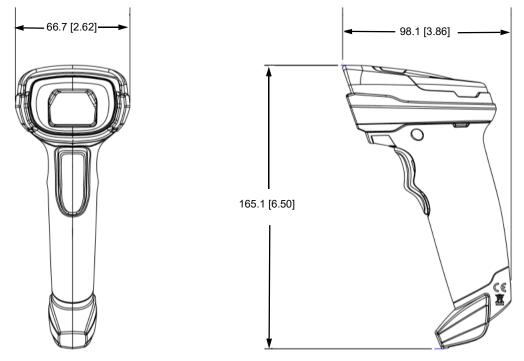
y (mm)	y + Recess	θ	Range x (mm)	FOV Scan Area H x V (mm)	Distance from Reader Face (mm)	FOV Scan Area H x V (in)	Distance from Reader Face (in)
25	87.5	36.1	57	57 x 35	25	2.2 x 1.4	1.0
25	87.5	22.6	35	-	-	-	-
445	507.5	36.1	331	331 x 203	445	13.0 x 8.0	17.5
445	507.5	22.6	203	-	-	-	-

HC: Image Field of View in degrees = 35 (horizontal) x 22 (vertical)

y (mm)	y + Recess	θ	Range x (mm)	FOV Scan Area H x V (mm)	Distance from Reader Face (mm)	FOV Scan Area H x V (in)	Distance from Reader Face (in)
3	65.5	35	41	41 x 25	3	1.6 x 1.0	0.1
3	65.5	22	25	-	-	-	-
292	354.5	25	223	223 x 138	292	8.8 x 5.4	11.5
292	354.5	22	138	-	-	-	-

V410-H Dimensions

V410-H Handheld Reader



Note: Reader dimensions are the same for the V410-H XD, V410-H SR, and V410-H HC.

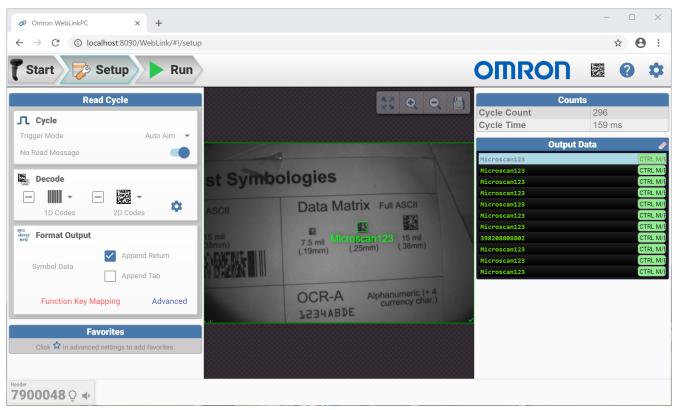


Zapraszamy do kontaktu! Więcej informacji: www.kreski.pl

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WebLink_{PC}

Screenshot of WebLink_{PC} Setup screen where the user configures the handheld reader to meet application requirements. To download WebLink_{PC}, go to www.automation.omron.com/weblink_{PC}.



Related Manuals

Man. No.	Model	Manual
Z439 (84-9000362-02)	V410-HDS4608SR, V410-HDS4608XD, V410-HDS4608HC, V450-HDS3608-0001, V450-HDS3608-0002	V410-H and V450-H Handheld Barcode Reader User Manual



Zapraszamy do kontaktu! Więcej informacji: www.kreski.pl