DX8210

DATALOGIC

DX8210 is Datalogic's new high performance laser bar code reader purpose built to offer to offer top reading performance combined and ease of use to End User and System Integrators specialized in the Transport and Logistics market.

Thanks to its unique design, DX8210 offers an ALL-IN-ONE solution for omnidirectional reading stations. This single device is capable of reading codes at any orientation on the conveyor.

With the benefits of state-of-the-art technology and innovative optic design, DX8210 can cover a wide conveyor and large depth of field to satisfy demanding applications. A high scan rate (2000 scans/sec) allows DX8210 to work perfectly on high speed conveyors for mass production.

Thanks to its ALL-IN-ONE architecture, DX8210 offers unmatchable ease of installation and ease of use.

In just a few minutes, readers can be installed above the conveyor and the onmi-station is ready to work.

The innovative DST (Digital Signal Technology) drastically increases optic performance even in cases where code quality is unpredictable. DST offers stable and constant performance under any working conditions to ensure logistic operators maintain timely deliveries.

Multi-headed tunnel configurations are perfectly managed with EBC (Ethernet Bus Connection), allowing high speed data transmission and real time signal synchronization inside the system. EBC allows redundant configuration, assuring no system deadlock in case of component failure.

Ease of use, automatic setup and system diagnostics are perfectly satisfied thanks to e-GENIUS, the web browser configuration tool that allows you to access the system with a standard web-browser program with no need for specific configuration software.

HIGHLIGHTS

- ALL-IN-ONE architecture offering outstanding ease of use and ease of installation
- Single device offering 900x900 mm (36x36 in) omnidirectional reading area
- High scan rate (2000 scans/sec) provides top results on high speed conveyors and in mass production environments
- Excellent performance on low quality code and unpredictable reading conditions
- Unmatchable ease of use and ease of installation
- DST (Digital Signal Technology) offering stable and constant performance under any operative conditions
- ASTRA G3 technology offering superior DoF and FoV without mechanical autofocus
- Ethernet Bus Connections (EBC) for high speed data transmission and real time synchronization
- Fully redundant configuration and no single point of failure
- e-GENIUS web browser programming tools
- Ease of maintenance and automatic replacement





EBC ACR PackTrack G2 e-GENIUS

TARGET MARKETS AND APPLICATIONS

- 1. Airport Baggage Handling
- 2. Parcel Sorting
- 3. Retail Distribution Center
- 4. Loading/Unloading System
- 5. Shop Floor and Manufacturing
- 6. Automatic Warehousing Management

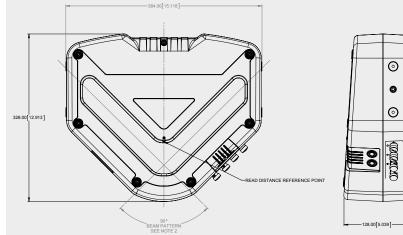
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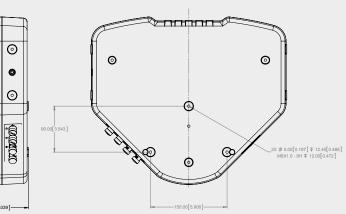
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TECHNICAL SPECIFICATIONS

Reading Distance (Min/Max)Constance (Min/Max)Max ResolutionMin.0.25mm (10mils)/Max: 1.0mm (40mils)Scan RateTyp: 1000scans/s/ MaxScan Pattern TypeConstanceAperture AngleConstanceMultilabel ReadingUp to 10 different symbologies during the same reading phaseOptic Architecture/TechnologyConstanceBar Code Assignment TechnologyACR G5Readable Codes22 symbologies including 2/5 family, Code39,Code128,EAN/UPC,EAN128,ISBN128Case MaterialConstance (Typical Value)Dimensions (Typical Value)Sal x 328 x 92.5 mm [15 x 13 x 3.6 in]			
Scan RateTyp: 1000scans/s/ MaxScan Pattern TypeConstructionAperture AngleConstructionMultilabel ReadingUp to 10 different symbologies during the same reading phaseOptic Architecture/TechnologyConstruction Code TechnologyBar Code Assignment TechnologyACR G5Readable Codes22 symbologies including 2/5 family, Code39,Code128,EAN/UPC,EAN128,ISBN128Dimensions (Typical Value)Stal x 328 x 92.5 mm [15 x 13 x 3.6 in]	Reading Distance (Min/Max)	600-1850 mm (23-72 in)	
Scan Pattern TypeX-PatternAperture AngleGMultilabel ReadingUp to 10 different symbologies during the same reading phaseOptic Architecture/TechnologyGBar Code Assignment TechnologyPackTrack** G2Reconstruction Code TechnologyACR G5Readable Codes22 symbologies including 2/5 family, Code39,Code128,EAN/UPC,EAN128,ISBN128Case MaterialSalt x 328 x 92.5 mm [15 x 13 x 3.6 in]	Max Resolution	Min:0.25mm (10mils)/Max: 1.0mm (40mils)	
Aperture Angle60 degreesMultilabel ReadingUp to 10 different symbologies during the same reading phaseOptic Architecture/TechnologyGASTRA G3Bar Code Assignment TechnologyPackTrack™ G2Reconstruction Code TechnologyACR G5Readable Codes22 symbologies including 2/5 family, Code39,Code128,EAN/UPC,EAN128,ISBN128Case MaterialGASTRA 328 x 92.5 mm [15 x 13 x 3.6 in]	Scan Rate	Typ: 1000scans/s/ Max	
Multilabel ReadingUp to 10 different symbologies during the same reading phaseOptic Architecture/TechnologyASTRA G3Bar Code Assignment TechnologyPackTrack** G2Reconstruction Code TechnologyACR G5Readable Codes22 symbologies including 2/5 family, Code39,Code128,EAN/UPC,EAN128,ISBN128Case MaterialAluminum alloyDimensions (Typical Value)381 x 328 x 92.5 mm [15 x 13 x 3.6 in]	Scan Pattern Type	X-Pattern	
Optic Architecture/TechnologyA TRA G3Bar Code Assignment TechnologyPackTrack** G2Reconstruction Code TechnologyACR G5Readable Codes22 symbologies including 2/5 family, Code39,Code128,EAN/UPC,EAN128,ISBN128Case MaterialAluminum alloyDimensions (Typical Value)381 x 328 x 92.5 mm [15 x 13 x 3.6 in]	Aperture Angle	60 degrees	
Bar Code Assignment TechnologyPackTrack** G2Reconstruction Code TechnologyACR G5Readable Codes22 symbologies including 2/5 family, Code39,Code128,EAN/UPC,EAN128,ISBN128Case MaterialAluminum alloyDimensions (Typical Value)381 x 328 x 92.5 mm [15 x 13 x 3.6 in]	Multilabel Reading	Up to 10 different symbologies during the same reading phase	
Reconstruction Code TechnologyACR G5Readable Codes22 symbologies including 2/5 family, Code39,Code128,EAN/UPC,EAN128,ISBN128Case MaterialAluminum alloyDimensions (Typical Value)381 x 328 x 92.5 mm [15 x 13 x 3.6 in]	Optic Architecture/Technology	ASTRA G3	
Readable Codes22 symbologies including 2/5 family, Code39,Code128,EAN/UPC,EAN128,ISBN128Case MaterialAluminum alloyDimensions (Typical Value)381 x 328 x 92.5 mm [15 x 13 x 3.6 in]	Bar Code Assignment Technology	PackTrack™ G2	
Case Material Aluminum alloy Dimensions (Typical Value) 381 x 328 x 92.5 mm [15 x 13 x 3.6 in]	Reconstruction Code Technology	ACR G5	
Dimensions (Typical Value) 381 x 328 x 92.5 mm [15 x 13 x 3.6 in]	Readable Codes	22 symbologies including 2/5 family, Code39,Code93,Code128,EAN/UPC,EAN128,ISBN128	
	Case Material	Aluminum alloy	
	Dimensions (Typical Value)	381 x 328 x 92.5 mm [15 x 13 x 3.6 in]	
Weight 7.7 kg (17 lb)	Weight	7.7 kg (17 lb)	
Temperature Range 0° - 50° C	Temperature Range	0° - 50° C	
Power Supply / Consumption 20 to 30 VDC; 20 W	Power Supply / Consumption	20 to 30 VDC; 20 W	
IP rating IP65	IP rating	IP65	
Ethernet 2 x Ethernet TCP/IP	Ethernet	2 x Ethernet TCP/IP	
Serial Interfaces Main Port: RS232 / RS422 up to 115.2 Kbit/s Auxiliary Port: RS232 up to 115.2 Kbit/s	Serial Interfaces	Main Port: RS232 / RS422 up to 115.2 Kbit/s Auxiliary Port: RS232 up to 115.2 Kbit/s	
Internal Communication System EBC Technology	Internal Communication System	EBC Technology	
Fieldbus Embedded EtherNet/IP; PROFINET-IO and PROFIBUS-DP supported	Fieldbus	Embedded EtherNet/IP; PROFINET-IO and PROFIBUS-DP supported	
Digital Inputs3 x Inputs (2 + 1 x "Encoder"), optocoupled, NPN/PNP	Digital Inputs	3 x Inputs (2 + 1 x "Encoder"), optocoupled, NPN/PNP	
Digital Outputs2 x Outputs SW programmable, optocoupled, event driven, NPN	Digital Outputs	2 x Outputs SW programmable, optocoupled, event driven, NPN	
Device Programming Multilanguage, browser-based, on board HTML web server interface	Device Programming	Multilanguage, browser-based, on board HTML web server interface	

MECHANICAL DRAWINGS





MODELS

MODEL	DESCRIPTION	PART NUMBER
DX8210-2100	Standard Resolution	936300001
DX8210-4100	Standard Resolution Extended	936300003
DX8210-4200	High Resolution Extended	936300004

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