## **4200** General Purpose 2D Imager



## **Features**

- Ergonomic Design Linear imager performance, with the versatility of area imaging all in a small, sleek housing.
- Omni-directional reading of 1D, PDF417, MicroPDF417, Postal, Matrix, and EAN•UCC Composite codes, and OCR fonts for the easiest ever data collection.
- Image Capture Class-leading image quality and image transfer speed provide crisp images in less than one second.
- Connectivity The most popular interfaces in one model. Uses the standard Hand Held Products cable set.
- Intelligent Aiming Options Distinctive green aimer provides superior illumination contrast and makes image capture applications fast and intuitive.

## **Overview**

The 4200 area imager from Hand Held Products combines the versatility of area imaging with the speed and cost of linear scanning for retail and commercial applications. Powered by Adaptus™ Imaging Technology, the 4200 is full featured, fast, and cost effective.

Current and future manufacturing, retail, and commercial applications will involve much more than linear bar codes. EAN-UCC composite codes are beginning to appear in food stores, PDF codes are used for age verification in restricted item sales, and postal bar codes are used to sort mail. The omni-directional reading capability of the 4200 allows fast and easy reading of all these codes. Simply point and shoot. There's no need to align a scan line, or wait for a raster beam to open up.

Whether capturing a signature as proof of delivery, taking a picture for identification, or electronic data storage, image capture is an important part of current and future solutions. The Adaptus Imaging Technology powered 4200 is equipped with Hand Held Products fifth generation imaging for bestin-class image quality and image transfer speed, all at very economical prices. Image capture has become a mainstream application requirement. Trust Hand Held Products to provide the industry's best imaging.

With no moving parts, the 4200 is as durable as it is versatile. Hand Held Products has a reputation for products that are tough as nails. The 4200 is no exception, and will provide years of service at a low cost.



## 4200 Specifications

	e						
Aiming (Gree	en LED):	526nm <u>+</u> 30n					
Image:			nary, TIFF, or JPEG o	output.			
Working Ran	nge (from win	ndow):					
SR		8.3 mil Linear <u>(.021cm)</u>	13 mil UPC <u>(.033cm)</u>	6.6 mil PDF417 <u>(.017cm)</u>	10 mil PDF417 <u>(.025cm)</u>	15 mil Data Matrix <u>(.038cm)</u>	15 mil QR Code <u>(.038cm)</u>
	Near Far	3.5 in. (8.9cm) 7.6 in. (19.3cm)	2.1 in. (5.3cm) 13.2 in. (33.5cm)	4.5 in. (11.4cm) 6.2 in. (15.7cm)	3.1 in. (7.9cm) 9.0 in. (22.9cm)	2.3 in. (5.8cm) 10.2 in. (25.9cm)	3.1 in. (7.9cm) 8.8 in. (22.4cm)
SF		7.5 mil Linear (.019cm)	13 mil UPC (.033cm)	6.6 mil PDF417 (.017cm)	10 mil PDF417 (.025cm)	8.3 mil Data Matrix (.021cm)	8.3 mil QR Code (.021cm)
	Near	2.5 in. (6.4cm)	2.0 in. (5.1cm)	2.8 in. (7.1cm)	2.2 in. (5.6cm)	3.4 in. (8.6cm)	3.3 in. (8.4 cm)
HD	Far	6.5 in. (16.5cm) 5 mil Linear	8.9 in. (22.6cm) 13 mil UPC	6.0 in. (15.2cm) 6.6 mil PDF417	7.6 in. (19.3cm) 10 mil PDF417	5.7 in. (14.5cm) 6.7 mil Data Matrix	5.4 in. (13.7cm) 6.7 mil QR Code
no		<u>(.013cm)</u>	<u>(.033cm)</u>	<u>(.017cm)</u>	<u>(.025cm)</u>	<u>(.017cm)</u>	<u>(.017cm)</u>
	Near Far	2.4 in. (6.1cm) 4.3 in. (10.9cm)	2.1 in. (5.3cm) 6.7 in. (17.0cm)	2.1 in. (5.3cm) 5.0 in. (12.7cm)	1.9 in. (4.8cm) 5.8 in. (14.7cm)	2.9 in. (7.4cm) 4.0 in. (10.2cm)	2.8 in. (7.1cm) 3.9 in. (9.9cm)
Skew Angle:		+40°	, , , , , , , , , , , , , , , , , , ,	× 7	, , , , , , , , , , , , , , , , , , ,	× /	× 7
Pitch Angle:		+40°					
Horizontal Ve		4 in. (10 cm)	per second				
	-	( )					
Length:	/Electrical	5.5 in. (14.0	cm)				
Height:		5.3 in. (14.0					
Width:		2.6 in. (6.6 c	-				
Weight:		4.5 oz. (127.	,				
Housing:		UL 94V0 gra	8,				
Power Requi	irements:	5Vdc +10%					
Current Drav		Input	<u>Scanning</u> <u>Idle</u> 382 mA 53 mA				
ower Supp	oly						
Noise Reject		Maximum 10	00mV peak to peak, 1	0 to 100 kHz			
			· • · · · · · · · · · · · · · · · · · ·	0 10 100 1112			
nvironmen	ntal		,				
		+32°F to +12	22°F (0°C to +50°C)	0101001012			
Operating Te	emperature:						
Operating Te Storage Tem	emperature:	-40°F to 140	22°F (0°C to +50°C)				
Operating Te Storage Tem Humidity:	emperature: perature:	-40°F to 140 0 to 95%, no	22°F (0°C to +50°C) °F (-40°C to +60°C) on-condensing	.9 ft. (1.5 m) to concre	te		
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