

DATA SHEET

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Subject to change Rev March 2020

Phantom® Miro® C210J & C210 Digital High-Speed Cameras

The Compact & Flexible Solution
for the most difficult applications



Miro C210J & Miro JBox,
and Miro C210

Key Benefits:

WHEN IT'S TOO FAST TO SEE, AND TOO IMPORTANT NOT TO®

- 👁 Small, light & rugged, to meet the most demanding applications
- 👁 Internal battery and 128GB Phantom CineFlash included
- 👁 1,800 fps at full 1280 x 1024 resolution

The Miro C210J & C210 weigh just over 1 lb. (.54 kg) and are just slightly larger than 3-inch cubes but are rugged enough to **withstand shocks of 170G** and vibration of 24 grms. With strategically placed mounting holes, these cameras can fit in the most difficult places. In the event of AC power loss, the **battery provides backup power** to protect the data as it saves to the internal, non-removable **Phantom CineFlash®**

The cameras are available in 2 versions:

C210 for stand-alone use or connection to Miro J-Box 2.0

C210J for 1 simple connection to Miro J-Box 2.0

Key Features:

- 1.3Mpx CMOS Sensor
- 1800 fps at 1280 x 1024
- Internal Battery to Protect Data
- 8GB or 16GB of RAM
- 128GB internal CineFlash Included
- HD-SDI Output
- Compact, Rugged Design



C210 Back and Connectors



C210J Back and Connectors

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Phantom® Miro® C210J & C210 Digital High-Speed Cameras

Camera Specifications - C210 / C210J		
Sensor Resolution	1280 x 1024	Special Features: Auto Save to Flash Battery Programming HD-SDI Memory Partitioning Image Based Auto-Trigger Continuous Recording IRIG In / Out PIV Mode Straddle Time = 425ns Quiet Fans
Pixel Size	5.6 mm	
Sensor Size	5.73 x 7.16 mm	
Bit Depth	12-bit	
Max fps at Max Res	1,800 fps	
Max fps at Min Res	67,140 fps	
CAR	64 x 8	
Minimum fps	100 fps	
Minimum Exposure	5 µs	
ISO	Mono:2,500D Color: 640D	
Adjustable E.I.	Mono: 2,500 - 12,500 Color: 640 - 3,200	

Maximum Frame Rates		
Resolution	FPS	
1280 x 1024	1,800	
1280 x 720	2,540	
768 x 768	2,385	
640 x 480	3,760	
512 x 512	3,530	
256 x 256	6,811	
128 x 128	12,700	
64 x 8	67,140	



Phantom Miro C210J and Junction box

Vision Research Global Support - for wherever you are

Our Miro C-Series Digital High-speed cameras are supported by Vision Research's Global Service and Support network from multiple sites around the globe. Maximize the value of your Phantom camera by learning more about our service and support options at www.phantomhighspeed.com/Service--Support/

AMETEK Vision Research's digital high-speed cameras are subject to the export licensing jurisdiction of the Export Administration Regulations. As a result, the export, transfer, or re-export of these cameras to a country embargoed by the United States is strictly prohibited. Likewise, it is prohibited under the Export Administration Regulations to export, transfer, or re-export AMETEK Vision Research's digital high-speed cameras to certain buyers and/or end users.

Customers are also advised that some models of AMETEK Vision Research's digital high-speed cameras may require a license from the U.S. Department of Commerce to be: (1) exported from the United States; (2) transferred to a foreign person in the United States; or (3) re-exported to a third country. Interested parties should contact the U.S. Department of Commerce to determine if an export or a re-export license is required for their specific transaction.

Environmental Specifications:

Size and Weight: 1.2 lb, 0.54 kg;

Miro C210: 2.9 x 2.9 x 3.25 inches

73 x 73 x 82.5 mm (H x W x D)

Miro C210J: 2.9 x 3.1 x 3.25 inches

73 x 79 x 82.5 mm (H x W x D)

Hi-G:

170G, IAW MIL-STD 202G,

24Grms, IAW MIL-STD-202G

Operating Temperature:

0° C to 50° C

Power:

16-32 VDC, 13 W

(up to 20W when charging battery)

Focused

Since 1950, Vision Research has been designing, and manufacturing high-speed cameras. Our single focus is to invent, build, and support the most advanced cameras possible.



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