







- **PIV features:** Particle Image Velocimetry and similar measurement techniques like Particle Tracking Velocimetry (PTV), Laser Induced Florescence (LIF), and Digital Image Correlation (DIC) require extremely accurate timing and the ability to take images in a very stable and predictable way. The straddle time on the v2512 is 375ns, on the v2012 is 400ns, on the v1612 is 425ns, and on the v1212 is 550ns.
- **Burst Mode:** Many experiments require taking images at precisely the same time during the experiment. Burst mode triggers the camera then takes a burst of images at precise time delays.
- **Quiet Fans:** Turns the fans off to eliminate vibration.

**Phantom v2512, v2012, v1612 & v1212**

RESOLUTION					
		v2512	v2012	v1612	v1212
H	V	Max FPS	Max FPS	Max FPS	Max FPS
1280	800	25,700	22,600	16,600	12,600
1280	720	28,500	25,100	18,400	14,000
1024	800	30,500	26,900	19,700	15,000
1024	512	47,400	41,800	30,700	23,400
896	800	33,700	29,800	21,800	16,600
768	768	39,100	34,750	25,300	19,300
640	480	70,100	62,500	45,500	34,700
512	512	75,600	67,800	49,100	37,500
512	384	99,800	89,550	65,000	49,600
384	256	171,650	115,100	112,300	85,700
256	256	206,300	188,500	135,400	103,500
256	128	380,100	347,800	253,000	193,900
128	64	663,250	651,150	538,400	415,500
128	32	663,250	651,150	626,850	551,700
128	16	663,250	651,150	626,850	551,700

With the FAST Option (FAST Option is an export controlled feature)

128	64	783,100	727,200		
256	32	1,000,000	949,400	724,100	
768	16	1,000,000	965,500	750,000	581,800
384	16	1,000,000	1,000,000	954,500	744,100
128	32	1,000,000	1,000,000	840,000	653,000
128	16	1,000,000	1,000,000	100,000	820,500

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.

**Phantom® v2512**  
**Phantom® v2012**  
**Phantom® v1612**  
**Phantom® v1212**



v1612 with 2TB CineMag

**Vision Research Global Support - for wherever you are**

Our ultra high-speed camera line is supported by Vision Research's Global Service and Support network offering AMECare Performance Services from multiple sites around the globe. Maximize the value of your Phantom camera with a full menu of professional support services.

Learn more about our service and support options at [www.phantomhighspeed.com/Support](http://www.phantomhighspeed.com/Support)

**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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