

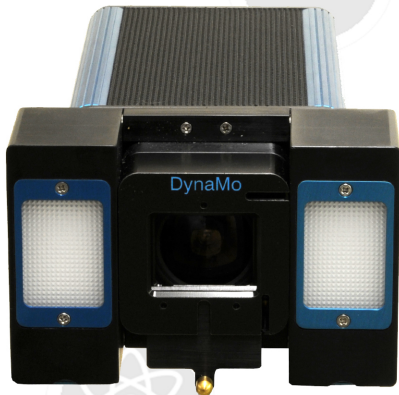
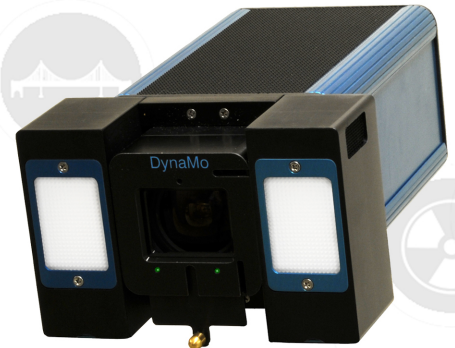
V-STARS/D12

“Powered by DynaMo”

Picture Perfect Measurements™

The **V-STARS/D12** system from Geodetic Systems, Inc. (GSI) is our highest accuracy dynamo system for those who do not need the speed of our high-speed **V-STARS/D5** system. Of course, it still comes with GSI's unparalleled **V-STARS** software and our total commitment to customer support.

The lightweight, highly portable **DynaMo** cameras have been designed for reliable, high-speed, high-accuracy 3D measurement even in the most difficult conditions.



The **V-STARS DynaMo** system retains the inherent advantages of photogrammetry:

Immune to vibration and movement so it can be used where other technologies cannot

High speed flash and shutter allow for measuring and tracking fast-moving objects even in sunlight

Works from lifts, cranes and unstable platforms so it can see and measure what others cannot

Fast picture taking and no warm-up time so measurements are quick and production downtime is minimized

Small and portable so it goes practically anywhere, including into tight places where others cannot go

V-STARS/D12's accuracy, portability and ruggedness make it well-suited for a wide variety of applications in many industries, such as aerospace, antenna, automotive, heavy engineering, shipbuilding and more.

Features

- High resolution, speed, accuracy
12M pixel, up to 4Hz, 10µm + 10µm/M
- Wide field-of-view and large operating range
Up to 10 meters at full speed, 30 meters max
- Extremely portable
Notebook operation, carry-on baggage
- High-speed electronic shutter with unlimited life
- Single, thin cable for data and power
- High-speed flash freezes fast moving objects



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V-STARS / D12

Picture Perfect Measurements™



Measures:

- Individual targets/markers (number is practically unlimited)
- Without targets using small, cableless touch probes
- Surfaces using our optional PRO-SPOT target projector



PRO-SPOT/A target projector

	D12
Sensor Resolution	12Mp
Field of View (H x V)	72° x 58°
Multi Camera Accuracy ¹	10µm + 10µm/M 0.050mm@4M 0.002@160"
Operating Temperature	0 - 40 °C (non-condensing)
Cabling	Single cable for power and data 9M/30' Standard 36M/120' Max
Speed(Hz)	~3 - 4
Shutter Time (min)	50µs
Shutter Life	Unlimited (Electronic)
Format	4:3
Weight – Camera	2lb 8oz/1.14kg
Weight – With Strobe	2lb 12oz/1.25kg
Camera (L, W, H)	7.2 x 3.7 x 3.2" / 183 x 94 x 81mm
With Strobe (L, W, H)	7.2 x 4.7 x 4.7" / 183 x 119 x 119mm

1 Conditions for meeting M accuracy specification:

- a) Standard two-camera configuration with good geometry

For more information on **DynaMo D12** or any other GSI product, please contact GSI or your local GSI distributor.



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Geodetic Systems

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