



Advanced Scientific Concepts, LLC

INTELLIGENT 3D VISION SENSORS

GSFL-16K

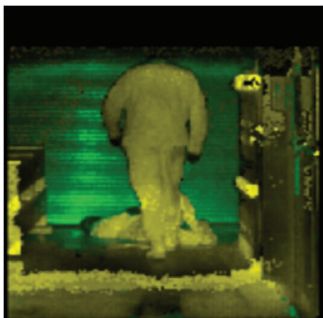
3D Global Shutter Flash LIDAR



GENERAL DESCRIPTION

ASC's GSFL-16K is a compact, long range (>1000m) global shutter flash (gsf) LIDAR. The GSFL-16K generates real time 16,326 element scene range and intensity maps at frame rates upto 20 Hz. Built-in range gating enable the GSFL-16K to range/image through a variety of degraded visual environments. A wide selection of laser energies combined with an extensive collection of lenses and diffusers provide the ability to configure the GSFL-16K for a wide variety of mapping, tracking, autonomous navigation, and situational awareness applications.

SAMPLE IMAGERY



Range Map



Intensity Map

SPECIFICATIONS AND FEATURES

- Max Range: >1000 [m]
- Range Error: ~ 5 [cm]
- Format: 128 x 128
- Pixel Pitch: 100 [μm]
- Max Frame Rate: 20 [Hz]
- Range Gating: Yes
- FOV: 3-45 deg
- Interfaces:
 - Ethernet
 - RS-422
 - High Speed Serial
 - Power

- Size: 8 x 3.25 x 7.25 [in]
- Weight: 7 [lbs]
- Power: <40 [W] ; 24 [VDC]
- Temp Range: 0C to 50C
- Wavelength: 1064nm, 1570nm
- Accessories:
 - Windows-10 laptop
 - GSFL-16K Software
 - SDK
 - Ethernet Cable
 - RS-422 / HSS cable
 - Documentation

For additional information and pricing:
Michael Dahlin, Vice President, Business Development
Ph: 805.966.3331 x105
Email: mdahlin@asc3d.com

125 Cremona Drive #250, Goleta, CA 93117
805-966-3331 | www.asc3d.com