

# Brickstream 3D Gen2

3D Stereo Vision Sensor for Accurate People Counting and Advanced Tracking Applications



Patented stereo-vision and detailed flow analytics provide accurate, anonymous real-time people counting and movement information including passer-by counts and stand-still queue data. Essential for understanding and optimising queue performance and alleviating overcrowding.

Advanced vision and patented path-tracking technology collect time, location, height, speed, mass, and travel direction. Also, it captures in-depth people and site metrics, including people numbers and time spent in coverage areas. This provides accurate, in-depth behaviour intelligence and sophisticated analytics beyond basic counting capabilities, and under a broad set of conditions, for instance, high traffic and dynamic lighting, both indoors and outdoors.

Brickstream 3D Gen 2 supports an integrated surface mount and a mount height range of between 2.2m and 14m, with two lens options for easier inventory management and deployment. Each sensor allows for up to 32 metric collection zones, with multi-sensor path-linking enabling seamless data collection. The X and Y axis tilt capability provides a wide field of view, while unobtrusive, flexible mounting with hidden wiring reduces deployment cost and complexity.

- + Height filtering to exclude children or count separately.
- + Filter zones, exclusion and passing lines and group identification enable tailoring for specific traffic situations and significantly reduce false counts.
- + Stereo height measurement accurately distinguishes between adults, children and other objects, like trolleys and carts.
- + Stereo processing engine and robust design provide reliable performance in multiple lighting and environmental conditions.
- + LINUX operating system (OS) and CMOS image sensors for Wide VGA, High Dynamic Range (HDR) images
- + Onboard processing and data storage
- + IP addressable for remote management and support, including firmware upgrades
- + Metal housing to provide heat dissipation and durability

## Specifications

### Item number:

X-BPC-2500-25W

### Exterior Description

- Dimensions: 59 x 162 x 40.5 mm (2.32 x 6.37 x 1.594 inch)
- Weight: 0.25 kg (0.55 pounds)
- Color: White plastic, black cover available separately

### Lens Options

- 2.5 mm (0.86 in) for mounting height 2.2 to 7 meters (7.2 to 22.96 feet)
- 6.0 mm (2.36 in) for mounting height 6 to 14 meters ( 19.68 to 45.93 feet)

### LEDs

- 2 tri-state status indicators

### Technical Specifications

- Power: PoE (Class 2, 6W max)
- Operating Temperature Range: 0° to 45° C (32° to 113° F)
- Storage Temperature Range: -30° to 65° C (-22° to 149° F)
- Memory: 512 MB RAM
- Micro SD Support: 8GB micro-SD card
- Operating Systems: Linux

### Network

- Cabling: Category 5e
- Ethernet: Single channel 10/100MB
- Addressing: DHCP or Static IP
- Protocols: TCP/IP, DHCP, HTTP Proxy
- Time Sync: SNTP, Daytime Protocol, Proprietary
- Data Delivery: HTTP, SMTP, FTP
- Secure Data Delivery: HTTPS, FTSP
- Software Upgrade: TFTP, HTTP, HTTPS