

Stereoscopic People Counting Camera

The VISIX™ VX-VSS-20 Stereoscopic camera is a special purpose, low-cost people counting smart camera, combining state-of-the-art 3D imaging technology with intelligent video analytics capability to provide remarkably accurate people counting. The VX-VSS-20 camera includes high-performance advanced analytics as a standard feature. This high-quality video analytic system greatly contributes to the camera's excellent tracking performance, even in the most challenging lighting conditions or when one object is partially obscured by another.

This stereoscopic camera's automatic calibration foregoes the often complex and difficult calibration process required in order for the analytics engine to classify objects into different object classes. Integrating 3xLOGIC's advanced tracking engine into the device contributes to improving the video analytics performance. With its state-of-the-art 3D imaging and specially designed lenses, the VX-VSS-20 is one of the most advanced and affordable systems available in the marketplace today.



Key Features and Benefits	
Ideal for Retail, Banking, Entertainment and Transportation Applications	✓
3D Imaging Technology	✓
Intelligent People Counting Utilizing Advanced Embedded Video Analytics Engine	✓
Automatic Calibration	✓
Overhead-View Deployment	✓
Effective Pixels	640 x 960
Warranty	3-Year

CAMERA

Image Sensor:	1/3" Progressive Scan CMOS
Lens:	2.0 mm, horizontal field of view 100°
Iris:	Manual
Shutter Times:	1/25 second - 1/10,000 second

COMPRESSION STANDARD

Video Compression:	H.264
Dual Video Streams:	Yes
Video Bit Rate:	32 Kbps to 8 Mbps

IMAGE

Max. Image Resolution:	640(H) x 960(V)
Frame Rate:	24 fps (640 x 960) @ 60 Hz

INTERFACE

Communication:	1 RJ45 10M/100M Ethernet port
Alarm Input:	1
Alarm Output:	1

FUNCTIONS

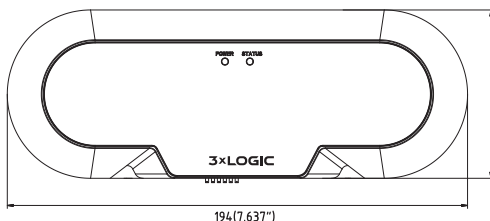
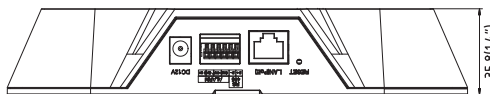
Local Storage:	Built-in Micro SD (SD/SDHC/SDXC) up to 128GB
Security:	Video Tampering, Network Disconnected, IP Address Conflict, Illegal Login, HDD Full, HDD Error
Protocols:	TCP/IP, HTTP, HTTPS, FTP, UDP/IP, RTSP, RTP, UDP, RTP/TCP, mDNS, UPnP, SMTP, DHCP, DNS, NTP, IPv4, SNMPv1/v2c/v3(MIB-II), IGMP, ICMP
System Compatibility:	ONVIF (Profile S, Profile G), PSIA, CGI, ISAPI

ELECTRICAL

Power Supply:	12 V DC ± 25%; PoE 802.3af
Power Consumption:	Max 7W

PHYSICAL

Working Temperature:	-10°C ~ 40°C (14°F ~ 104°F) Humidity 10%-90% - non condensing
Dimensions (inches):	7.64 in (L) x 1.4 in (W) x 2.76 (H) in
Dimensions (mm):	194 mm (L) x 35.8 mm (W) x 70.2 mm (H)
Weight:	.6 lb / 271 g



ADVANCED ANALYTICS (INCLUDED)

- Size-based Object Classification
- Detection Behavior; Direction

WARRANTY

Three (3) Year Parts and In-house Labor Warranty

PART NUMBERS

VX-VSS-20 Interior Stereoscopic Camera with 2.0mm lens

FOCAL LENGTH AND COUNTING WIDTH SPECIFICATIONS

Focal Length (mm / ft)	Installation Height (m / ft)	Max. Counting Width (m / ft)	Without Doorframe	With Doorframe
2/0.066	2.5/8.2	1.8/5.9	Placed at the midpoint of entrance	0.68(2.2ft) to the door Placed at the midpoint of entrance
			Placed at the midpoint of entrance	1.1m(3.6ft) to door Placed at the midpoint of entrance
	3.5/11.5	4.0/13.1	Placed at the midpoint of entrance	1.52m(5.0ft) to the door Placed at the midpoint of entrance