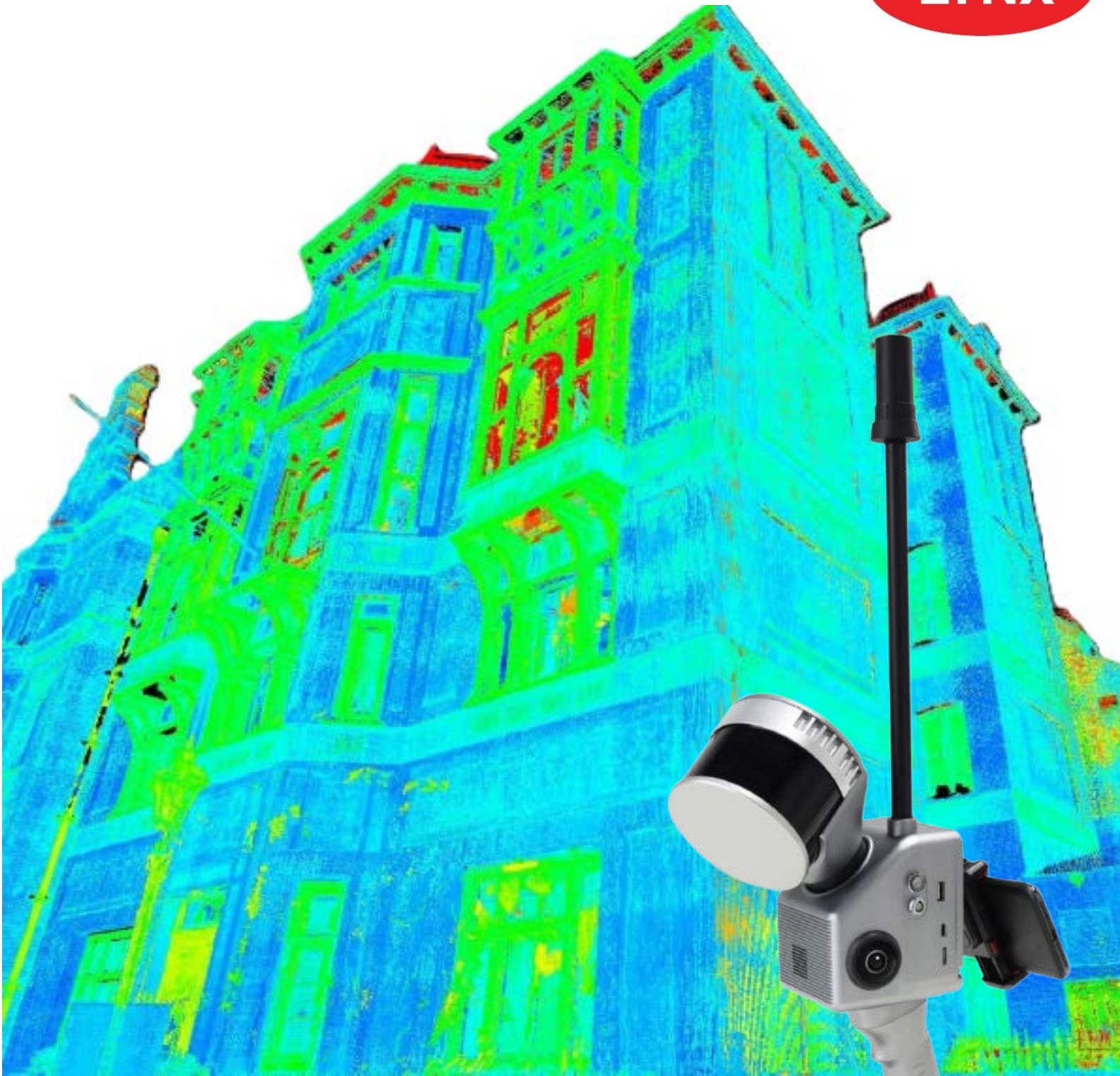


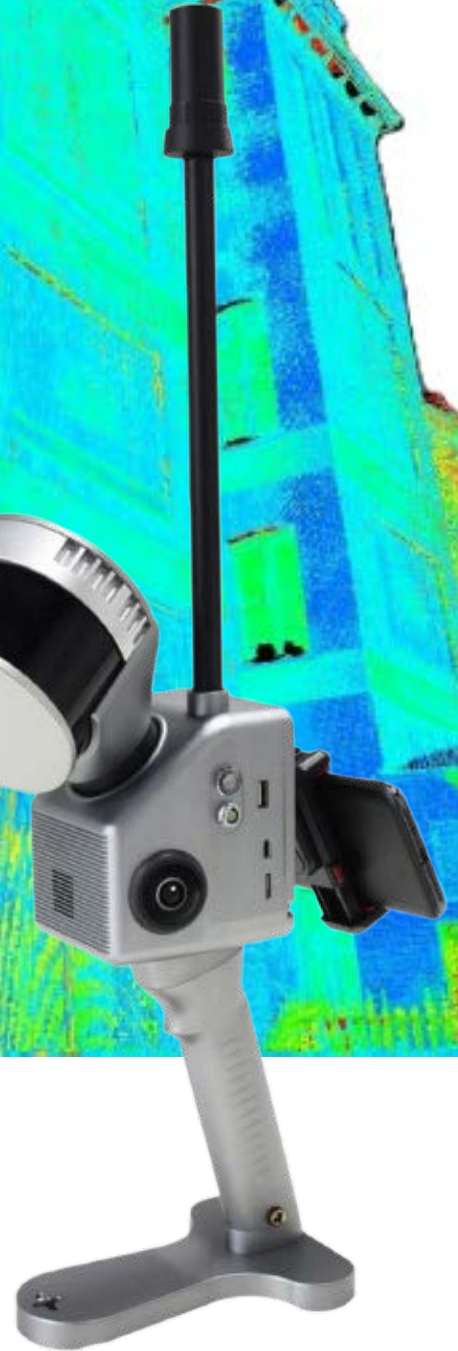
“LYNX”



Lynx-120S

Handheld SLAM LiDAR Scanner

Colorised Point Cloud with Highly Integrated Camera



☎ 033 40511800 / 07/08
☎ 033 – 2264 4003
✉ calgovt@lynxinst.com
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“LYNX”

Lawrence & Mayo (I) Pvt Ltd.

Office: No. 89, Sri Sai Plaza, 4th Floor, AJC Bose Road,
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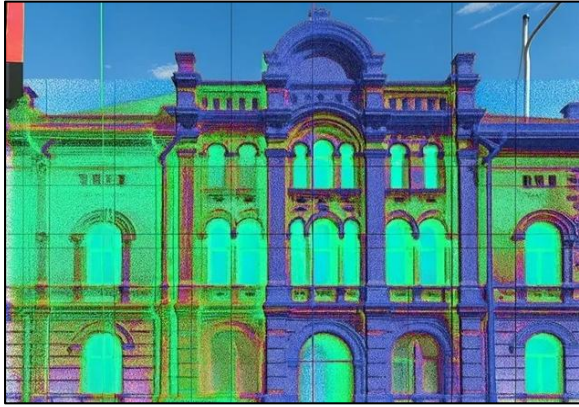
Lynx-120S is a handheld LiDAR scanning system developed by Lynx - Lawrence & Mayo India Pvt Ltd. With imported sensors, it can quickly capture a wide range of scene data, support multi-platform and multi-mode operation, and combine GNSS, INS, LiDAR and SLAM algorithms to achieve seamless survey of indoor and outdoor environment.

System Specifications

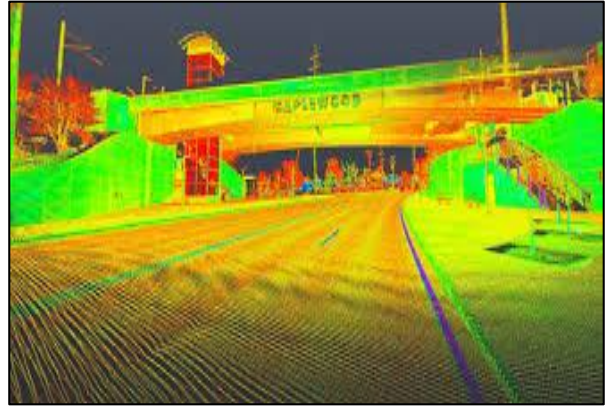
Laser Unit			
Range	Max Range 120m 80m@10% Reflectance	Range Accuracy	±1.5cm
Channel	16	Lidar FOV	360° H X 270° V
Lidar Technology	Simultaneous Localization And Mapping (SLAM)	Points Rates	640,000 Points/Sec
Laser Wavelength	905 nm	Laser Rating	Class 1 – Eye safe
POS Unit			
Model	gSpin 210	Pitch Accuracy	0.015°
Update Frequency	200Hz	Roll Accuracy	0.015°
Position Accuracy	2cm – Horizontal 3cm – Vertical	Heading Accuracy	0.040°
GNSS Signal	GPS – L1/L2/L5, GLONASS–L1/L2, BDS – B1C/B1/B2/B2a/B2b/B3, GALILEO–E1/E5b/E5a		
Camera Parameter			
Camera	2 Nos of 20 Mega Pixel HD Camera	Camera FOV	Horizontal 270
Resolution	3600 x 3600	Shooting Mode	Isochronous
Point Cloud			
Point Cloud Processing	Real-time processing	Point Cloud Display	Real-time color 3D point cloud preview
System Parameter			
Point Cloud Accuracy	5cm@ 100m without control point	Working Temperature	-20°C - 55°C
Dimension	20.4*12.0*38.7cm	Voltage Range	12V-18V
Carrying Platform	Hand-held and Vehicle	Battery Parameter	In-Built 11600 mAh
Weight	2.15kg	Power Consumption	25W
Storage	Build-in 128GB microSD, Support 256GB.		

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Specifications subject to change without notice.

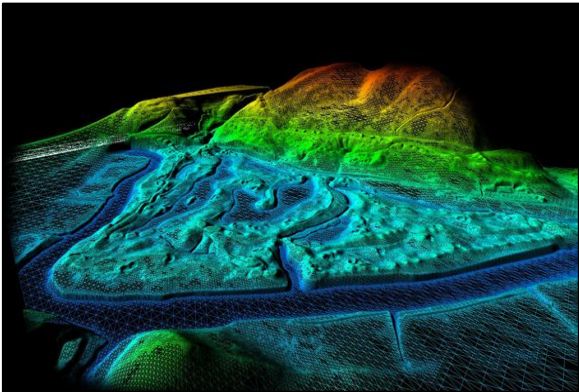
Applications



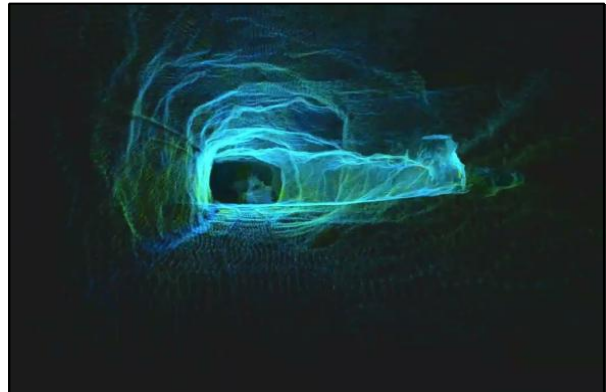
Building Survey



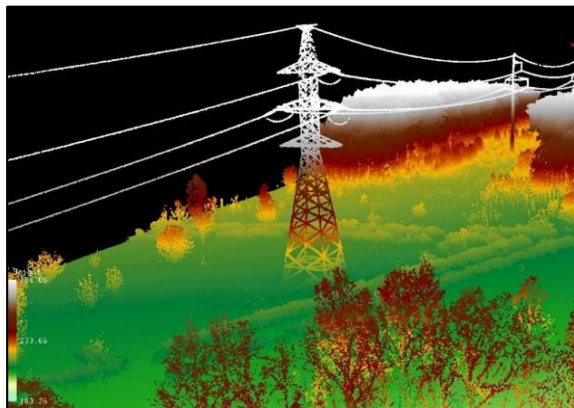
Road & Bridge Survey



Mine Survey



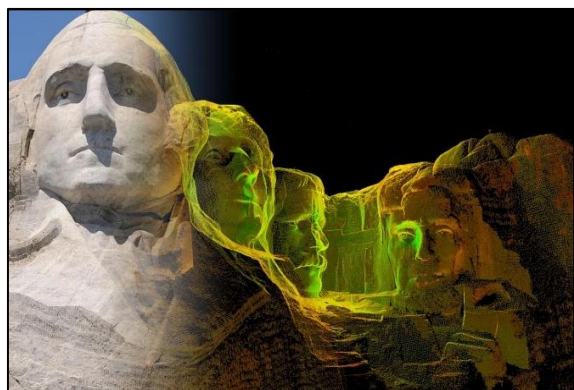
Tunnel Survey



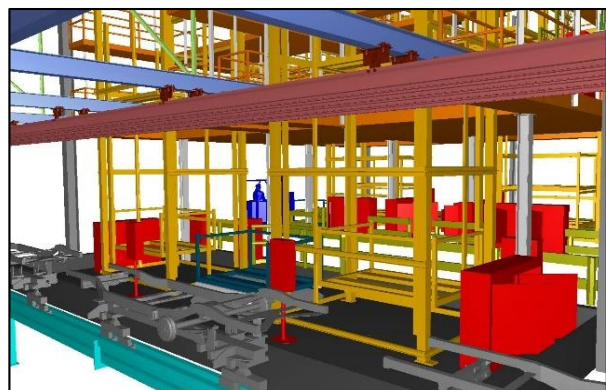
Power Transmission Line Survey



Forestry Survey



Archaeological Site Survey



Industrial Plant Survey



Lawrence & Mayo

ESTD 1877

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