

# chroma+scan 2400

## 3D SNAPSHOT LOG SCANNER

Built for precision scanning, chroma+scan 2400 series sensors provide highly accurate, reliable, high-density data for both log and board optimization applications in sawmills.

- HIGH DENSITY SNAPSHOT SCANNING
- IMPRESSIVE DARK LOG PERFORMANCE
- HIGH AMBIENT LIGHT IMMUNITY



The chroma+scan 2400 series is designed for log (headrig carriage, sharp chain, and end-dogging applications) and board (lineal edger optimization applications). This powerful family of sensors delivers fast scan rates, superior dynamic range and high ambient immunity for maximum volume-based wood recovery.



*High density 3D lineal log scanning using 4 chroma+scan 2400 sensors synchronized and networked together.*

### HIGH SPEED SCANNING

With 6" (152mm) laser line spacing and from 90Hz to 120 Hz scan rates, chroma+scan 2400 series offers high speed, high density scanning in both stationary and moving inspection systems.

### SUPERIOR DARK LOG PERFORMANCE

chroma+scan is optimized to scan some of the most challenging log surfaces possible -- from very light to extremely dark material (i.e. black shiny logs).

### AMBIENT LIGHT IMMUNITY

Designed to withstand high levels of ambient light, the chroma+scan 2400 series of sensors run at peak performance levels even in the challenging lighting conditions typical of sawmills.

### SCALABLE PLATFORM

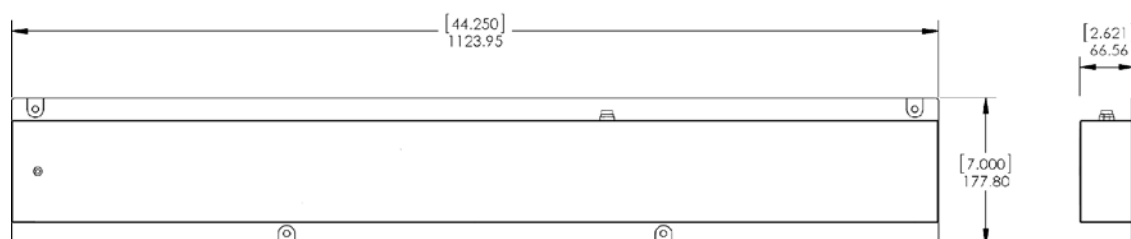
LMI has made networking easy and reliable to integrate multiple sensors into a single 3D scanning system. A network of synchronized chroma+scan sensors is simple to set up, and delivers real-time data via Gigabit Ethernet.

Model	2430	2440	2460
Laser Lines	4	4	8
Resolution (Z)	0.03" (0.75 mm)	0.04" (1 mm)	0.03" (0.75 mm)
Resolution (X)	0.06" (1.5 mm)	0.08" (2 mm)	0.13" (3.3 mm)
Clearance Distance (CD)	66" (1676.4)	90" (2286 mm)	90" (2286 mm)
Range (MR)	24" (610 mm)	30" (762 mm)	30" (762 mm)
Field of View (FOV)	Near: 17" (431.8 mm) Far: 23" (587 mm)	Near: 23" (581 mm) Far: 30" (771.6 mm)	Near: 23" (581 mm) Far: 30" (771.6 mm)
Scan Rate	90 Hz	120 Hz	120 Hz

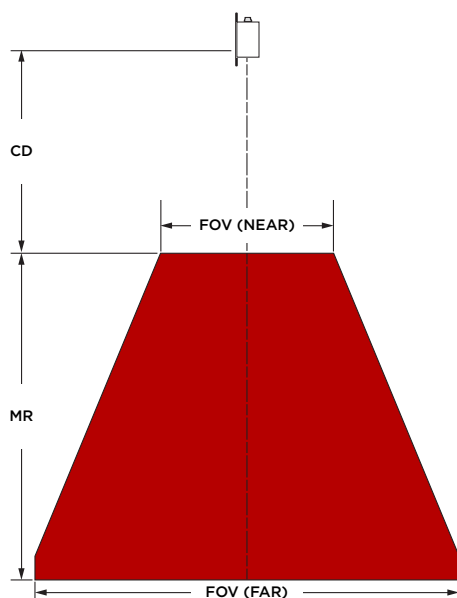
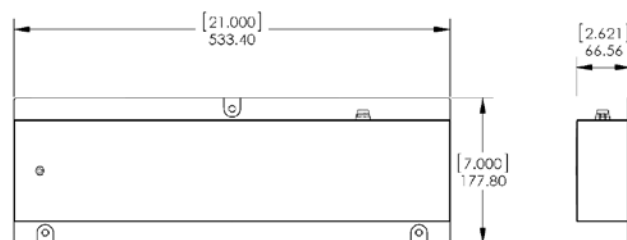
#### All Models

Operating Temperature	32 to 120° F (0 to 50° C) Non-Condensing
Input Voltage (Power)	+48 VDC (24 Watts)
Housing	Gasketed Aluminum Enclosure, IP67
Laser Spacing	6" (152 mm)
Laser	Visible 3B Laser
Interface	Gigabit Ethernet

chroma+scan 2460



chroma+scan 2430 / 2440



**AMERICAS**  
LMI Technologies Inc.  
Delta, BC, Canada

**EMEAR**  
LMI Technologies B.V.  
Kerkrade, The Netherlands

**ASIA PACIFIC**  
LMI (Shanghai) Trading Co., Ltd.  
Shanghai, China



LMI Technologies has offices worldwide. All contact information is listed at [lmi3d.com/contact/](http://lmi3d.com/contact/)