

Universal Video Generator / Analyzer

LS-8500



Optional Boards

GX-173 ——— HDMI Generator Board
GX-173-H ——— HDMI Generator/Analyzer Board

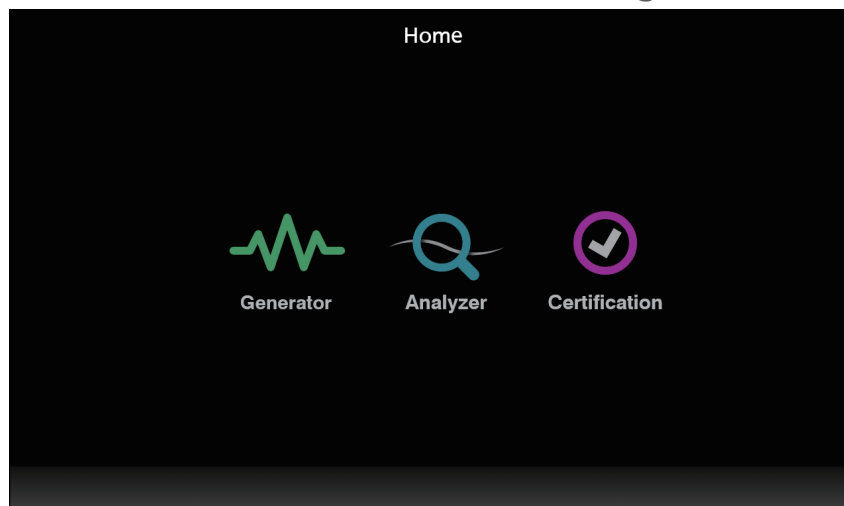
GX-173-D ——— DP Generator/Analyzer Board
GX-173-M ——— MIPI Generator/Analyzer Board

To meet the ever-increasing speed of changes and progress in the world of technology, the LS-8500 has been designed as a flexible platform to host various interfaces and standards

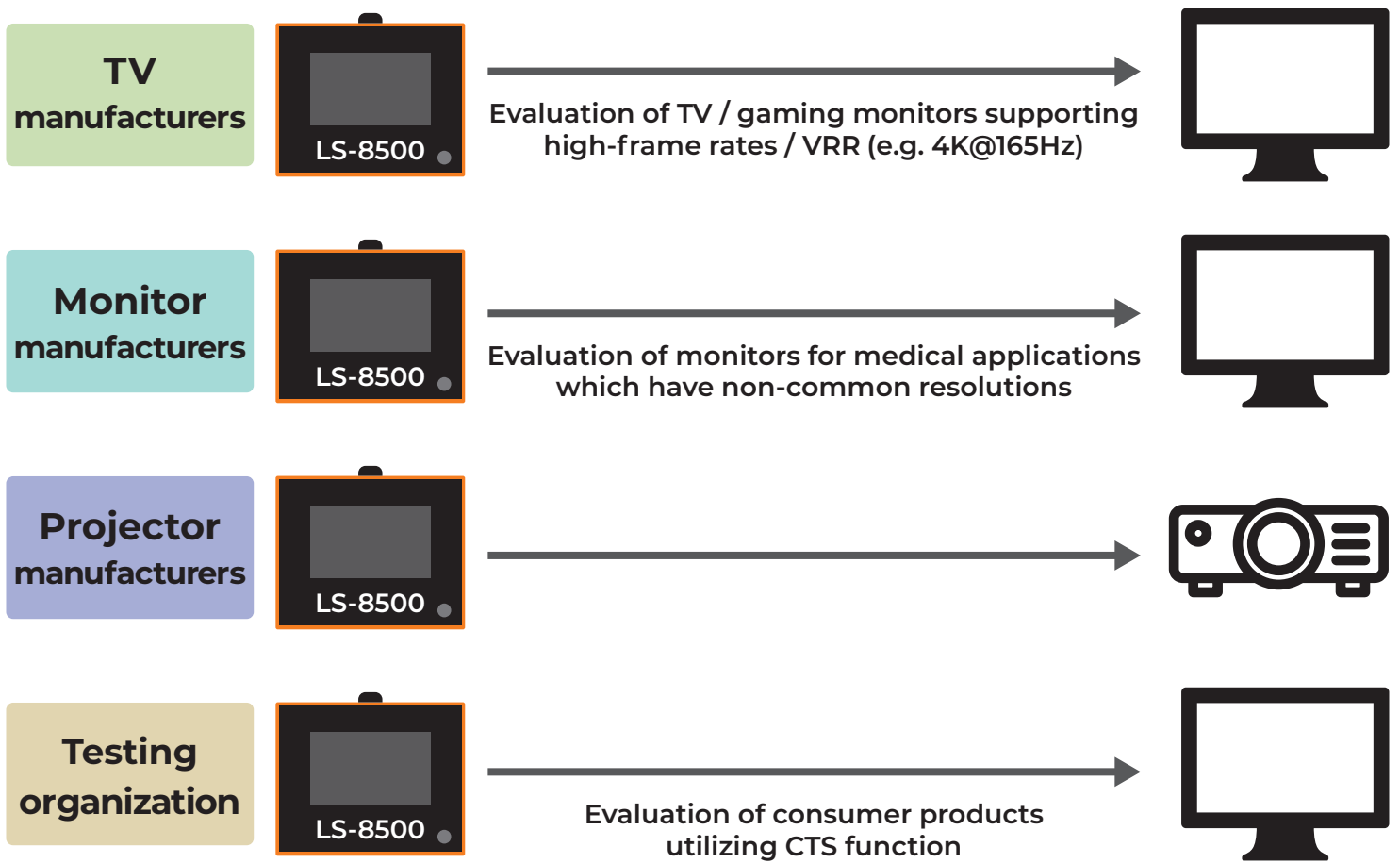
- Adaptable** ——— Supports various formats such as HDMI, DP, MIPI, etc. by adding / swapping boards
- Future Proof** ——— Easy to upgrade and to add functionalities by purchasing additional licenses and / or by entering into annual maintenance contract
- Customize** ——— Programmable video functions
Custom function development available (at an additional cost)

- Supports HDMI / DP **NEW** / MIPI **NEW**
- Works as a Generator and / or Analyzer **NEW**
- Select optional GX boards according to your needs
- 4 types of interface boards **NEW**

LS-8500 Home Screen Image



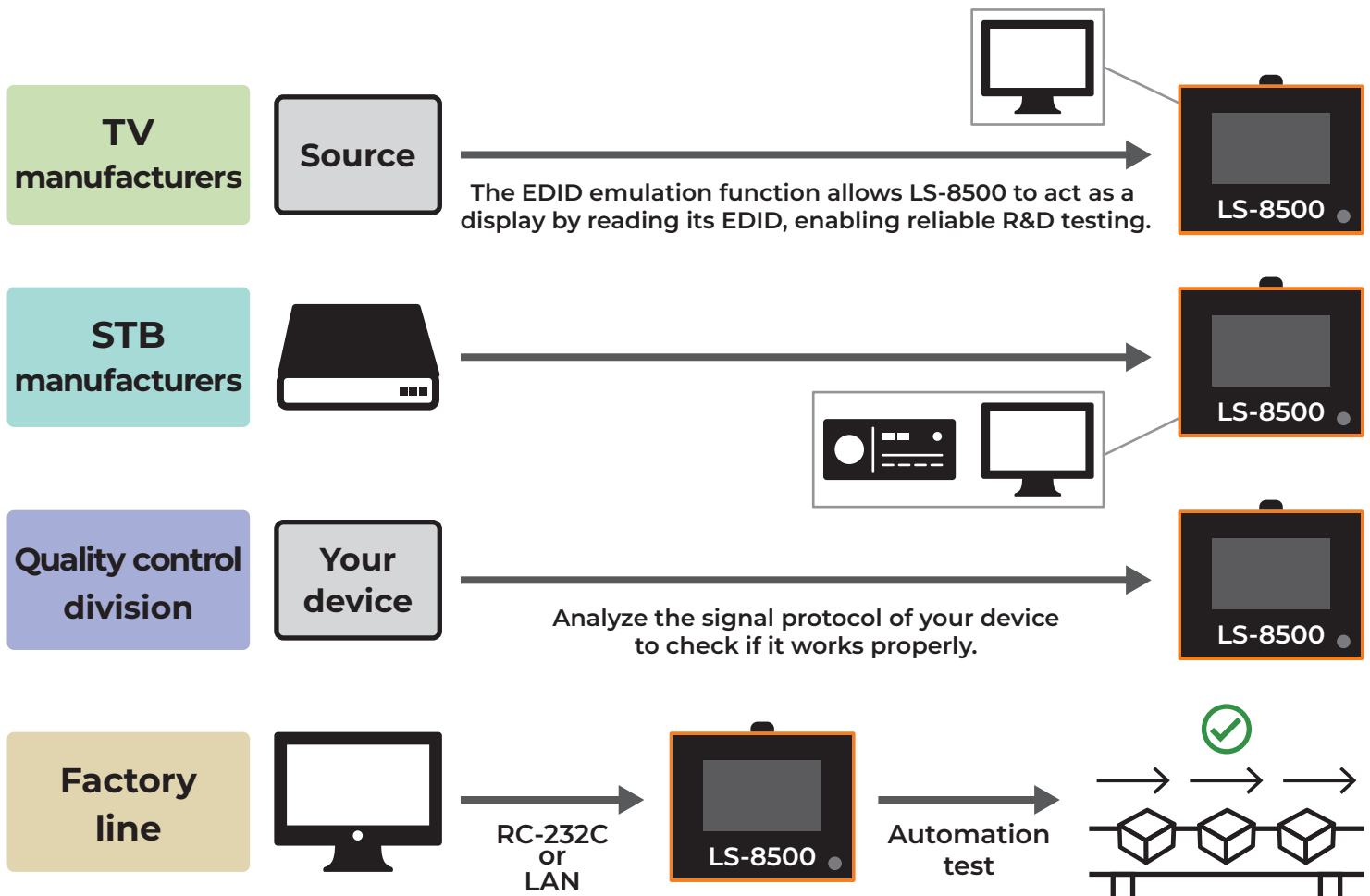
Generator Function



LS-8500 Generator Mode Screen Image

◀ ESC	Generator Video Settings	Video1620 ▼	Show Detail	Video Out Enable Disable	≡	
HDMI	Video Mode				Set	
	Stream Mode	FRL.12G4L ▼				
	Bit Depth	8 bit	10 bit	12 bit		16 bit
VESA	Color Space	RGB	Y422	Y444		Y420
	Quantization Range	Limited	Full	Auto		
CTA	Colorimetry	BT.601	BT.709	BT.2020		
	Video Timing				Check	
DCP	Category	CTA VIC ▼	BT.709	BT.2020		
⚙					Status	

Analyzer Function



LS-8500 Analyzer Mode Screen Image



Universal Video Generator / Analyzer LS-8500

Optional Board Lineup & Features



GX-173

HDMI generator board

- VRR/ALLM
- Custom Timing

To be supported by 2026 Spring:

- HLG+ / external image source
- HDMI Compliance test 2.1
- External control via LAN

GX-173-H

2026 Spring

HDMI generator / analyzer board

- All functions of GX-173 plus:
- HDCP function
- Generator and/or Analyzer functions (2026 Fall)
- Loopback

GX-173-D

2026 Spring

DP generator / analyzer board

- DisplayPort 2.1
- Generator/Analyzer
- Loopback supported

GX-173-M

2026 Spring

MIPI generator / analyzer board

- Generator / Analyzer
- Loopback supported
- Adaptors to other interfaces (GMSL and GVIF) are available as optional items

LS-8500 Features

- Easy touch panel operation
- 2 slots for optional boards (GX-173 / 173-H / 173-D / 173-M)
- Controllable by USB mouse
- Duplicate front panel to external monitor (resolution xxx / xxx)
- External control via LAN (Planned)

Specification

Power Consumption	87.5W with GX-173 × 1
Power Requirements	AC-100 - 240V (50/60hz)
Operating Temperatures	5 - 20°C (no condensation)
Operating Humidity	20 - 80%RH (no condensation)
Dimensions	210 (W) × 177 (H) × 403.5 (D)
Weight	9.5 kg
LAN	10 / 100 / 1000 BASE-TX, RJ-45 × 1
USB	USB 3.0 Type A × 2, USB 2.0 Type A × 1