The LTG-50HS is a HD/SD logo/title generator capable of superimposing camera titles, date and time, logos, and graphics on input video signals.

Character displays
- Fonts: Two types of display fonts (Gothic and Roman)
- Text: Up to 40 characters x 10 lines per page
- Pages: Up to 256 pages with max. 400 characters
- Font size setting: Five font size settings by line
- Font edge setting: Font edge ON/OFF and change colors by line
- Font color setting
- Text transparency setting
- Display position: Adjustable within 80% of the effective screen area
- Date and time display (with external correction input)

Special displays
- Remote control on text, color, and other settings
- Bitmap character display function that enables logos and graphics to be displayed at any selected location
- Standard configuration features a LAN interface as well as RS-232C for allowing easy display setting and display character registration from a PC
- Includes software for easy typing and setting on PC as well as weekly scheduling of page control
### Specifications

**Standard**
- HD-SDI: 1080/60i, 1080/59.94i, 1080/50i, 1080/30p, 1080/29.97p, 1080/25p, 1080/24p, 1080/24PsF, 1080/23.98p, 1080/23.98PsF, 720/60p, 720/59.94p, 720/50p. *1080/25PsF is supported by 1080/50i, 1080/30PsF by 1080/60i and 1080/29.97PsF by 1080/59.94i.
- SD: 525/60, 625/50.

**Video Input**
- SDI: 1.485Gbps or 1.011Gbps or SD-SDI: 270Mbps, 75Ω, BNC, 1 input (bypass through to Video outputs supported).

**Genlock Input**
- BB: NTSC: 0.432Vp-p/PAL: 0.45p-p or Tri-level Sync: ±0.3V, 75Ω, BNC, 1 input.

**Pull-in Range**
- Within ±0.5H (to the genlock phase).

**Video Outputs**
- HD-SDI: 1.485Gbps or 1.011Gbps or SD-SDI: 270Mbps, 75Ω, BNC, 2 outputs (1 line x 2 connectors).
- *The ancillary data including embedded audio will be passed through.*

**I/O Delay**
- - Input Lock settings: Minimum delay (varies depending on the video format)
- - GenLock settings (BB or BB): 1H (when the input and genlock phases match).

**Display Characters**
- Number of characters: 40 characters, 10 lines/page.
- Number of pages: Max. 256 pages. *400 characters/page.
- Characters: Alphabetic, Numeric, and Symbol (ISO8859-1).
- Fonts: 2 types (Gothic and Roman).
- Character size: 5 size (line units).
- Display position: Adjustable within 80% of the effective screen area (line units).
- Color: User selectable (line units, Body and Edge).
- Clock display: 2 lines.
- - Display format: Year, month, day, hour, minute, second (24-hour display / 12-hour display selectable).
- - Clock accuracy: ±10 seconds or less per month (0ºC - 40ºC).
- Bitmap display: Logo and image files can be displayed at any selected position.
- Title display: 2 lines.
- - Character limit: Max. 40 characters x 10 lines.
- - Character set: ISO8859-1 (Latin-1) character set.
- - Font size: 5 size (line units).
- - Display position: Per-line setting.
- - Title color: Per-line setting (Text and background: full color).
- Data / Time Display: Display line selectable (Up to 2 lines). Year, month, day, hour, minute and second, 24-hour display / 12-hour display switchable. *Display format selectable.
- Clock precision: Less than ±10 seconds per month (at 0ºC to 40ºC).
- Data Backup: Lithium battery (Clock data), Stored to FLASH memory (Program erase cycle limit: approx. 200000 P/E cycles) (Except clock data).
- Temperature / Humidity: 0ºC - 40ºC / 30% - 90% (no condensation).
- Power / Consumption: 100VAC - 240VAC ±10% / 50/60Hz / 27VA (25W) (at 100VAC).
- Dimensions / Weight: 212 (W) x 44 (H) x 350 (D) mm / 2.5kg.
- Consumables: Backup battery: CR-2032 Replace every 5 years (at room temp), Cooling fan: P-1439 Replace every 5 years (at room temp).

### Remote Control Software System Requirement

**OS**
- Windows XP SP2 (32 bit) (Professional), Windows Vista SP1 (32 bit) (Business), Windows 7 (64bit/32bit) (Professional).
- Memory: 1GB or more recommended, 2GB or more recommended (When using Windows 7).
- Win d ows 8, Win d ows 8.1, Win d ows 10.

**Ch aracter Color**
- User selectable (line units, Body and Edge).

**Remote Control Software System Requirement**

**OS**

**CPU**
- 1GHz or higher, 2GHz or higher (When using Windows 7, 32bit), 64bit processor (When using Windows 7, 64bit).

**Memory**
- 1GB or more recommended, 2GB or more recommended (When using Windows 7).

**Display Resolution**
- 1024 x 768 pixel or more recommended.

**Software**

### Rear Panel

![Rear Panel Diagram]

### External Dimensions

![External Dimensions Diagram]