

Hubit LED S7 Video Controller



Overview

The LED video controller is a compact all-in-one control solution designed for reliable LED display management and signal processing. Supporting HDMI and DVI inputs, flexible screen splicing, and up to 2.3 million pixels load capacity, it delivers stable performance for professional LED display applications.

With integrated video processing, colour adjustment, Ethernet redundancy, and multiple control interfaces, the controller provides an efficient and versatile solution for commercial LED installations.

Key Features



Ethernet Redundancy

Supports backup communication for improved system reliability.



2.3 Million Pixel Load

Supports large LED display configurations up to 4096 × 2560 resolution.



HDMI & DVI Inputs

Supports high-definition video input and seamless signal switching.



6 Gigabit Outputs

High-speed Ethernet outputs for reliable LED data transmission.



Colour Adjustment

Supports brightness, colour temperature, and colour gamut management.



Low Brightness Optimisation

Enhanced grayscale performance for improved image quality at low brightness levels.

Video Inputs

HDMI Input	x1 HDMI 1.4
DVI Input	x1 DVI
Maximum Resolution	1920 x 1200 @ 60Hz
Custom Resolution Support	Max Width: 4096 px / Max Height: 2560 px
HDCP Support	HDCP 1.4 Compliant
EDID Management	Supported
DVI Loop Output	x1 DVI LOOP

Ethernet Outputs

Ethernet Ports	x6 Gigabit Ethernet
Per Port Load Capacity	655,360 Pixels
Total Load Capacity	2.3 Million Pixels
Maximum Width	4096 Pixels
Maximum Height	2560 Pixels
Port Redundancy	Supported
CAT5e Distance	<70m Recommended
CAT6 Distance	<100m Recommended

Video Processing

Brightness Adjustment	Supported
Colour Temperature Adjustment	Supported
Colour Management	Supported
Low Brightness Optimisation	Enhanced grayscale performance
Signal Switching	Seamless source switching

Control & Connectivity

USB Control	USB Type-B
USB Cascading	USB Type-A
RS232	Supported
Test Patterns	15 Built-In Test Images
Brightness Levels	16 Level

Power

Power	AC 100 – 240V @ 50/60Hz
Rated Consumption	15W

Environment

Storage	-40°C – 80°C / 0% – 95% RH
Working	-20°C – 70°C
Humidity	0 – 80% RH

Mechanical

Dimensions	482.6 x 278.6 x 59mm
Net Weight	2.8kg
Gross Weight	3.9kg

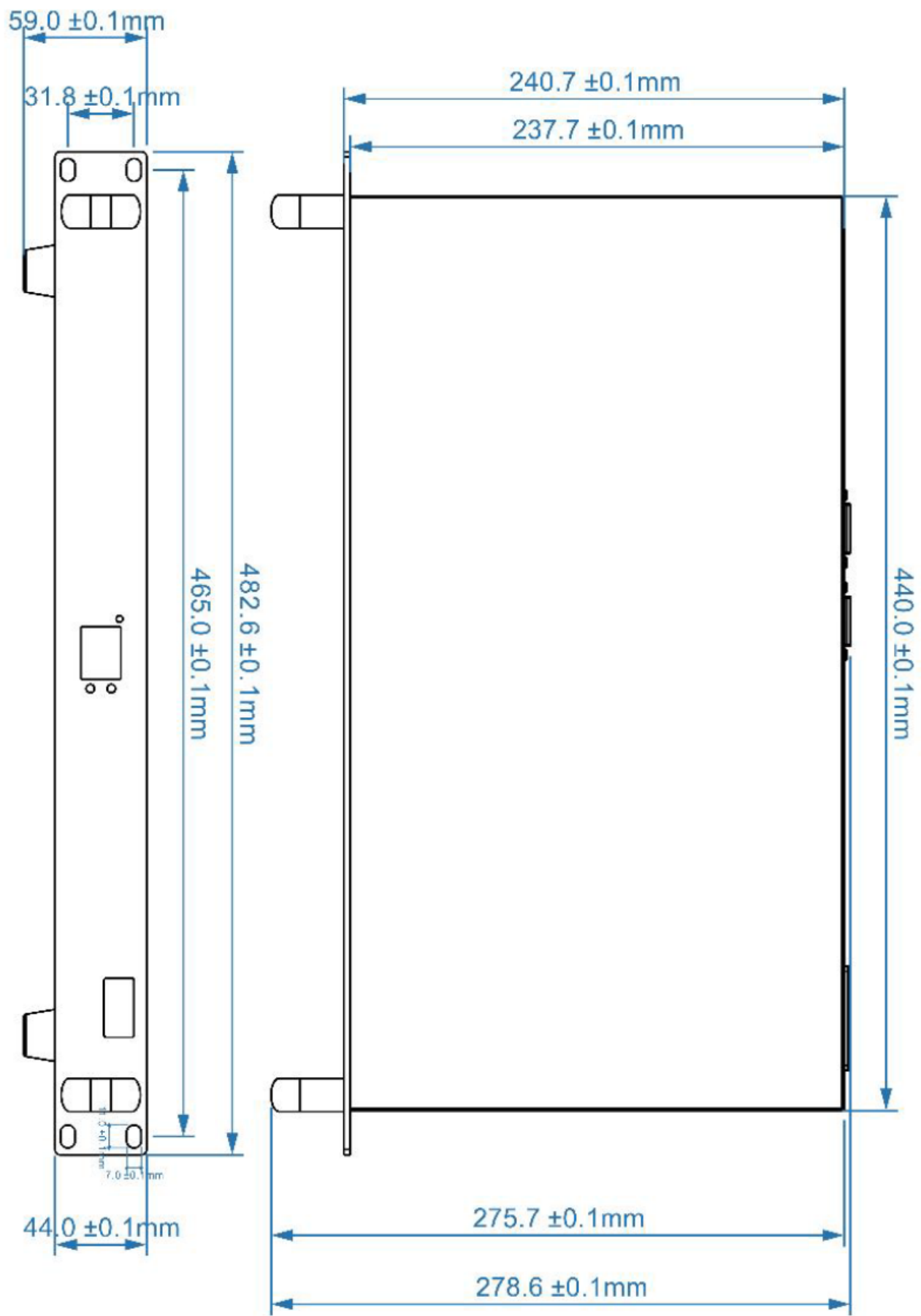
Ordering Information

Part Number	HTL-LED-CTRL-CLS7_01
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Specifications

Unit Structure



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