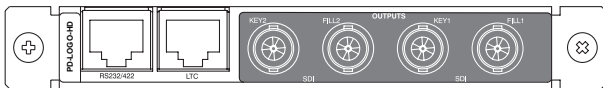# PD-LOGO-HD HD/SD-SDI Logo and Clock Generator

The PD-LOGO-HD is a modular HD/SD-SDI logo generator. It is used in 1RU or 2RU PANDORA platform. The module provides 4 HD/SD-SDI outputs, including 2 key and 2 fill. The internal storage has a capacity of 2 GB. Graphics in TGA format can be loaded to the storage as logo output via the platform TCP/IP port. A LTC interface is provided for time code source input/output.

The module can be controlled locally through platform front panel and remotely via PD-MASTER application.
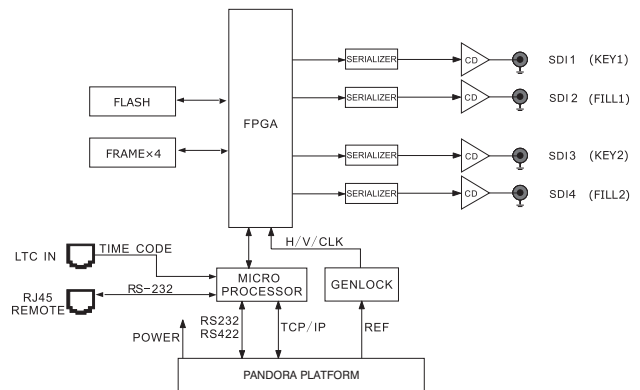
KEY FEATURES AND BENEFITS
— 10-bit processing for each pixel
— Internal high-precision interpolation algorithm
— Adjustable logo position by 1 pixel per step
— Both still and animated graphics supported
— Configurable test card and still graphic outputs
— Internal 2 GB storage
— Non-volatile memory
— Hot-swappable

BACK MODULE

BLOCK DIAGRAM

SPECIFICATIONS

Specifications are subject to change without notice.

DIGITAL VIDEO OUTPUT
Signal Format…………………….SMPTE 259M SD-SDI
                                   SMPTE 292M HD-SDI
Quantization……………………..10 bits
Connector…………………………BNC (×4)
Impedance……………………….75 Ω
Return Loss……………………..>12 dB @ 5 MHz ~ 1.5 GHz
Amplitude………………………..800 mVp-p ±10%
Rise/Fall Time…………………….400 ~ 1500 ps, SD
                                   <270ps, HD
Overshoot………………………..<10% of amplitude
Jitter……………………………..<0.2UI

LTC INPUT
Signal Format………………….RS-232/422
Connector………………………RJ-45

CONTROL INPUT
Signal Format………………….RS-232/422
Connector………………………RJ-45

ENVIRONMENTAL
Operating Temperature…………32° ~ 104° F (0° ~ 40° C)
Relative Humidity………………..10% ~ 90%