The d.scale-HD is a cost-effective innovative scaler board solution for high performance RGB / DVI /Q-HDMI and optional DisplayPort (DP) connected displays based on ST-Micro’s STDP53xx (optional STDP60xx) scaler family. It is designed to act as a direct interface between either RGB, DVI, Q-HDMI or DisplayPort and LCD TFT displays from VGA up to Full-HD/WUXG. A highly efficient power-management and an optional ultra slim architecture makes the d.scale-HD the perfect solution for ultra low power multifunctional monitors.

**Features**

- DVI® input
- RGB-analog input
- Q-HDMI port to interconnect with 1.2V HDMI / DVI transmitters (optional)
- Optional DisplayPort input (DP)
- Instant Auto™ provides automatic image alignment for analog input from PC
- 12/24V power supply supports also large displays from a single 24V power supply

Technology (STPD50xx/STDP60xx)
- Supports LCD-TFT Displays
  - VGA to UXGA / WSXGA
  - VGA to Full HD /WUXGA (1920 x 1200)
- Faroudja RealColor® color processing:
- Ultra-Reliable DVI® receiver (165 MHz)
- Triple-channel (10-bit) ADC (205 MHz) and PLL

**Specification**

**Supported Panel Resolutions (LVDS only)**
- 640x480 to 1920x1080 / 1920x1200
  (VGA to Full HD / WUXGA)

**Input Voltage**
- 12V-28V (Backlight Voltage = Input Voltage)
- 24V only (Panel & Backlight Supply Voltage adjustable)

**Environmental**
- Operating Temperature: 0°C to 70°C
- Relative Humidity: 5%-85%, non condensing