

# FAROUDJA

## FEATURE COMPARISON HD DIGITAL VIDEO PROCESSORS

### **DVP1010 Feature List:**

#### **Inputs:**

1. Composite, S-Video, YPrPb, RGB, DVI, D15 (PC)
2. YPrPb input auto-detects input rate. Video and HD rates are sent to processing stage, PC rates are sent to the pass-through output.

#### **Outputs:**

1. RGBHV/YPrPb (BNC & D15)
2. DVI (Digital and Analog outputs cannot be used at the same time).

#### **Controls:**

1. RS232, Infrared
2. Screen Trigger. (On/off with power)

**Video Processing:** 8-bit, HDCP compatible

#### **Standard Definition Sources Deinterlacing Technology:**

1. Pixel-by-pixel 3:2 Pull-Down with edit detection and mixed content compatibility.
2. Motion Adaptive Deinterlacing (MADi) with edit detection
3. DCDi

#### **Color Processing Technology:**

1. Adaptive 2D comb filter
2. Color large edge enhancement
3. Cross-Color suppression

#### **Black and White Processing technology:**

1. 12 level TrueLife detail circuit optimized to each output scan rate.

#### **Image Adjustment Options:**

1. Brightness, Contrast, Detail, Tint, Advanced Color
2. H&V Position, Side Blanking, Aspect Ratio
3. 8 display profile memory (8 for NTSC, 8 for PAL).

#### **Installation Setup Menu Options:**

1. NTSC scan rate select, PAL scan rate select,
2. Screen shape select, Input on/off select,
3. DVD YPrPb input black level select, DVI input level select, HD to SD timing adjustment
4. Digital/Analog output select, RGBHV or YPrPb output select,
5. OSD and LCD timing , Baud rate select, Rs232 Echo.

#### **HD Source Processing:**

1. Basic deinterlacing of 1080i
2. Scale to any selected output rate, Transcode to RGB

### **DVP1080 Feature List:**

All the same features as the DVP1010 plus the following:

#### **Video Processing:**

1. 10-bit circuitry
2. 12-bit Analog to Digital and Digital to Analog Converters
3. New timing circuit to reduce clock jitter and improve source to output synchronization
4. New power supply with high efficiency switching regulators
5. Improved HDCP compatibility

#### **HD Processing:**

1. Deinterlacing - 1080i to any progressive output rate using 3:2 pull-down and edit detection with film-originated sources
2. MADi deinterlacing with HD-originated sources
3. Enhanced mode: 1080i converted to any output scan rate with full image controls (aspect ratio, blanking, etc.)
4. High Bandwidth 1080i to 1080p mode - Full bandwidth 1080i to 1080p processing at two times the vertical resolution of the DVP1010. Limited image controls in this mode.

#### **Installation:**

1. Digital and analog outputs active simultaneously
2. Internal temperature controlled cooling fan and monitoring software to improve reliability
3. Programmable 12volt trigger for screen or motorized lens automation

### **DVP1510 Feature List:**

All the same features as the DVP1010 plus the following:

#### **Source:**

1. Internal DVD drive for clean digital D1 video stream from MPEG decoder
2. Audiophile audio stage with very low clock jitter and audio-for-video timing correction
3. AES/EBU, Coaxial and RCA digital audio outputs.

# FAROUDJA

---

[www.faroudja.com](http://www.faroudja.com)