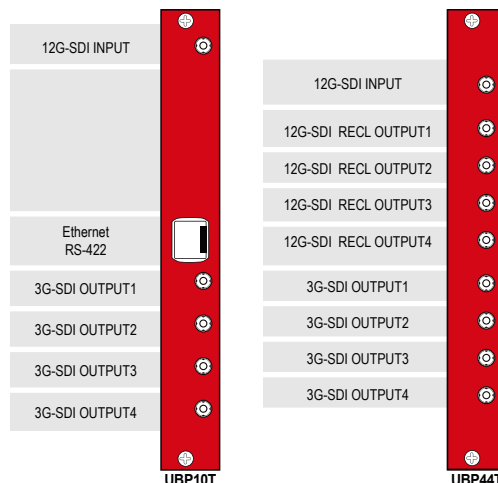


- UHD 4K
- SMPTTE 2082-10
- Two sample Interleave
- 12Gb/s

**KUGD104**  
**12G-SDI 1 to 4 Distribution Amplifier and 3G-SDI(Quad) Output Gear box De-Multiplexer**

**Features**

- Two Sample interleave(2SI) for 12G-SDI
- One 12G-SDI input
- 4 output, equal signal
- Low delay (2line@2160p)
- 4K four wire (3840 x 2160) output
- Compatible with 1080p59.94 or 1080p50 input
- Full control, status monitoring through the front panel of the frame and the Ethernet port (ACP)



**Specifications**

**Serial video input**

|                 |  |
|-----------------|--|
| Standard        | 12G-SDI : ST-2082-10   |
| Number of input | 1  |
| Connector       | HD-BNC   |
| Equalization    | Typical maximum equalized length of 5C cable: 85m at 11.88Gb/s |

**Serial video output**

|                  |                    |
|------------------|--------------------|
| Number of output | 8                  |
| Connector        | HD-BNC             |
| Signal level     | 800mV nominal      |
| DC offset        | 0V±0.5V            |
| Rise/fall time   | <28ps nominal      |
| Overshoot        | <10% of amplitude  |
| Return loss      | <6dB-6GHz to 12GHz |
| Wideband jitter  | <0.3UI             |

**Reference input through RRC**

|                 |  |
|-----------------|--|
| Number of Input | 2 on USFR18, 2 on USFR08   |
| Tri-level       | SMPTTE274M, SMPTTE296M   |
| Bi-level        | 600 mVp-p nominal, 75 Ohm terminated through loop<br>PAL Black Burst ITU624-4/SMPTTE318, Composite<br>NTSC SMPTTE 170M 1Vp-p nominal, 75 Ohm terminated through loop |

**Miscellaneous**

|            |                          |
|------------|--------------------------|
| Weight     | 250g                     |
| Operating  | 0°C to +50°C             |
| Dimensions | 137 x 296 x 20 mm(HxWxD) |

**Electrical**

|         |              |
|---------|--------------|
| Voltage | +24V to +30V |
| Power   | 12 Watt      |