



Rugged 3G-SDI 1x4 Video Splitter Designed to Operate Under MIL-STD-810 Shock / Vibration

The Hydra 1004R is a rugged 3G-SDI 1x4 video splitter designed to operate in harsh environments with extended temperature (-40°C to 85°C), shock (up to 40 g), and vibration (0.1g²/Hz) to be compliant with MIL-STD-810. It splits a 3G-SDI, HD-SDI, or SD-SDI video input across four 3G-SDI outputs (BNC) for viewing or distribution.

The Hydra 1004R features signal regeneration which re-clocks the 3G-SDI signal to ensure that the video quality is not compromised. All connectors including power are front-facing for ease of mounting. Power and SDI link status LEDs are visible on the front of the unit.

Key features of this product:

- One 3G-SDI Input (BNC)
- Four 3G-SDI Outputs (BNC)
- Signal Regeneration (Re-clocked)
- Low Power
- -40°C to 85°C Operating Temperature
- Power and SDI Link Status LEDs
- Front-Facing Connectors
- MIL-STD-810 Shock, Vibration & Humidity
- Small Compact Form Factor

Hydra 1004R Specifications

Interface	3G-SDI over BNC
Dimensions	1.37H" x 5.25W" x 3.15L" Meets NEMA 4
Power Input	28 VDC (MIL-DTL-38999)
Video Input	One 3G-SDI, HD-SDI or SD-SDI on BNC Male
Video Outputs	Four 3G-SDI, HD-SDI or SD-SDI on BNC Male
Operating Temperature (MIL-STD-810)	-40°C to 85°C
Humidity (MIL-STD-810)	95% without condensation
Vibration (MIL-STD-810)	0.1 g ² /Hz
Shock (MIL-STD-810)	40g

Hydra 1004R Block Diagram

