

Rugged 12G-SDI 1x4 video splitter designed to operate under MIL-STD-810 shock / vibration



1X4 VIDEO SPLITTING

12G-SDI 1x4 rugged video splitting with signal regeneration

FRONT FACING CONNECTORS

One 12G-SDI input (BNC) & four 12G-SDI outputs (BNC).

BUILT TO WITHSTAND

Designed to MIL-STD-810 and SWaP efficient.

Rugged 12G-SDI 1x4 Video Splitter

The Hydra 1004R is a rugged 12G-SDI 1x4 video splitter designed to operate in harsh environments with extended temperature (-40 to 70 C), shock (up to 40 g), and vibration (0.1g²/Hz) to be compliant with MIL-STD-810. It splits a 12G-SDI, HD-SDI, or SD-SDI video input across four 12G-SDI outputs (BNC) for viewing or distribution.

The Hydra 1004R features signal regeneration which re-clocks the 12G-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.



MIL-STD 810
Shock



MIL-STD 810
Temperature



MIL-STD 810
Vibration



SWaP

Hydra 1004R Specifications

Interface	12G-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 12G-SDI, HD-SDI or SD-SDI on BNC Male
Video Outputs	Four 12G-SDI, HD-SDI or SD-SDI on BNC Male
Operating Temperature (MIL-STD-810)	-40 to 70°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

