

Zigen IP-LOGIC 4K/60Hz/HDMI 2.0/HDCP 2.2/HDR-10 Scaling/Audio Matrixing/Video Matrixing Over 10-Gig copper or Optical Fiber

4K/60Hz, HDMI 2.0, HDCP 2.2 & HDR-10 Scaling, Audio Matrixing, Video Matrixing Over 10-Gig copper or Optical Fiber

Features

- HDMI 2.0 / DVI 2.0
- Pixel clock up to 594 MHz
- 4K / 60 Hz / RGB and 4:4:4 8 bit
- 4K / 60 Hz / 4:2:2 10 bit (HDR-10)
- 4K / 60 Hz / 4:2:0 10 bit (HDR-10)
- All audio formats supported by HDMI 2.0, including:
LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX,
DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD
- I2S stereo input and output up to 48 kHz 24-bit
- RS-232
- Infrared
- USB 2.0 (full device support, up to 480 Mbps) with 3rd party chipset
- Gigabit Ethernet- 10 Gigabit XFI, IEEE 802.3 (RJ45 and SFP+)
- Up to 100 meters on CAT6A or better for 4K / 60 Hz / 4:4:4 video
- Up to 55 meters on CAT6 or better for 4K / 30 Hz / 4:4:4 video
- Interchangeable, field replaceable SFP+ modules
- Up to 300/550 meters with multi-mode OM3/OM4 fiber
- Up to 30 km with single-mode fiber
- HDCP 2.2
- Broadcast quality up-scaling and downscaling
- Color space and frame-rate conversion
- Multi-source video compositing
- Ultra-light compression, lossless for most content
- Audio embedding and de-embedding
- Audio down-mixing and re-sampling
- Video-splitting and bezel correction
- Automatic Clock Recovery
- Multiple displays genlocked to single source
- Zero-frame latency