

# neonCaster

## HIGH-PERFORMANCE EMBEDDED VIDEO PLATFORMS

Ittiam's [neonCaster](#) family of hardware boards are the perfect **COTS solutions for video applications** such as streaming, recording, transcoding and mixing. These compact, versatile boards are offered in multiple configurations & cater to surveillance, enterprise, medical, broadcast, defence and aerospace markets. Customers looking for customizations may license our **hardware reference design** or engage with us to deliver a **turnkey custom design**.

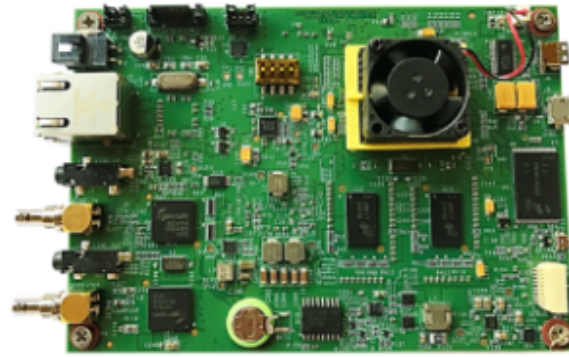


**Clove Mini**

- AV Inputs: 1x 3G-SDI, 1x Line In
- Data/Comm. Interface: 1x Gigabit Ethernet
- Size: 3.74" x 3.94" x 0.84"
- Power: 6.5W (Typical)
- Temperature: -20°C to +75°C (Operating)  
-40°C to +85°C (Storage)

### Applications

Streaming Server, Low-Latency Encoder, Transcoder



**Magna Ace**

- AV Inputs: 1x 3G-SDI, 1x Line In
- AV Outputs: 1x 3G-SDI, 1x HDMI®, 1x Line Out
- Data/Comm. Interface: 1x Gigabit Ethernet
- Storage Interface: SATA
- Size: 3.74" x 5.32" x 0.89"
- Power: 14W (Typical)
- Temperature: -20°C to +60°C (Operating)  
-40°C to +85°C (Storage)

### Applications

Streaming Server, Player, Low Latency Encoder/Decoder, Transcoder, Digital Video Recorder (DVR)



**Magna Processor Module**



**Clove Processor Module**



**Nova x4 I/O Board**



**Nova x7 I/O Board**

### Clove & Magna Processor Modules

- Clove: Low power SoM, Full-HD encode/decode
- Magna: High performance SoM, multi-channel Full-HD encode/decode

### Nova x4 and Nova x7 I/O Boards

Carrier cards with I/O interfaces (audio, video, connectivity, storage, power etc.) for Clove & Magna SoMs

### HIGHLIGHTS

- Ready-to-manufacture designs
- Single board design for compact form-factor
- Two board design (SoM + I/O Card) for flexibility
- Operation over extended temperature ranges
- Field-proven and rugged
- Off-the-shelf (with 1 year warranty)



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