Amethyst 5G

Ultra miniature and low-power H.264/H.265 multi-channel encoder/ recorder, streaming real-time, high-end video over Ethernet networks.



Functionality

- Amethyst 5G features multiple simultaneous functions and streaming capabilities:
  - Accepts video from IP and USB cameras
  - Generates multiple H.264/5 streams from transcoded IP camera input and encoded USB camera input
  - Records the generated streams on a local onboard EMMC or Micro-SD and streams over Ethernet networks via server
- Streams pre-recorded files over Ethernet networks via server
- Web browser set up

Specifications

SoC	NXP i.MX8M Plus
Memory	6GB LPDD4 32GB EMMC
Video In	IP camera over GbE USB camera over USB 3.0
Network	GbE (RJ45)
Storage Media	32GB EMMC Up to 2TB Micro SD
USB	USB-OTG (Type-C)
Dimensions	93.3mm X 49.5mm X 35mm Weight 0.13 kg
Operating Temperature	–40° to +85° C
Power	Power input 9-13VDC Power consumption ~4W

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