

KDS-EN6, KDS-DEC6 Minimum Network Requirements

KDS-EN6 / KDS-DEC6 runs on standard 1 Gigabit Ethernet networks. This document outlines the minimum network requirements for deployment. For more information, refer to the *Kramer AV over IP Deployment Guide*, available at www.kramerav.com/downloads/KDS-EN6.

Network Switch

Use non-blocking Layer 3 managed network switches with:

- 1 Gigabit port for every connected KDS device.
- Multicast forwarding or filtering enabled.
- Jumbo Frames frame size up to 9216.
- IGMP Layer 2.

Network Switch Setting

Feature	Single Switch Networking	Cascade Networking	
		Core Switch	Extender Switch
Jumbo Frames	Supported frame size up to 9216		
IGMP Snooping	Enabled		
Multicast Forwarding or Filtering	Enabled		
IGMP Querier	Enabled	Enabled	N/A
IGMP Snooping Fast Leave	Enables	Disabled	Enabled

Cascade Network Deployment Notes

- Verify that trunk ports on a switch used to connect to other switches are properly configured.
- While computing trunk uplink bandwidth utilization, note that any multicast sources (encoders) connected to the original switch must send all their data to the master IGMP (Internet Group Management Protocol) querier / multicast router. If another switch is the master IGMP querier / multicast router, the multicast traffic must flow to that switch.

