

# FLOW Ingest

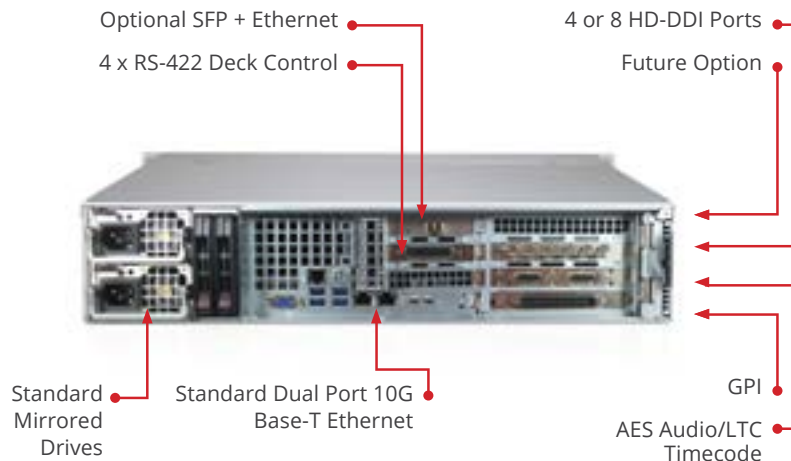
4 Channel and 8 Channel SD/HD Ingest



The FLOW ingest hardware platform is a powerful compact 2RU chassis designed with the latest X10 motherboard and dual Xeon CPUs. With Matrox I/O capture cards, FLOW Ingest provides an expanded channel count per server and lower total cost per channel.

FLOW ingest is available in two models; one with 4 total HD-SDI ports and one with 8 total HD-SDI ports. Each and every HD-SDI port is software reconfigurable to serve as an input or a monitoring passthrough output, offering increased flexibility depending on the needs of the facility.

Both models offer a full complement of included ingest codecs including DNxHD, ProRes, and XDCAM, and can capture the full channel count, of 4 or 8 inputs, in all codecs except AVC Intra. Both models also come standard with all the necessary I/O connections including AES Audio, LTC timecode, GPI, RS-422 deck control, and onboard dual-port 10GBase-T Ethernet.



# Specifications

## Server Models

FLOW Ingest Server 4 Channel 2U	2U chassis, dual 10 core CPUs, 64GB RAM with 4 ingest channels
FLOW Ingest Server 8 Channel 2U	2U chassis, dual 10 core CPUs, 64GB RAM with 8 ingest channels

## Hardware

Form Factor	2RU, medium depth chassis
Operating System	Ubuntu Linux
Motherboard	Dual socket X10 Supermicro Motherboard
RAM	64GB ECC DDR4 2133 MHz
CPU	Dual Intel Xeon CPU with 28 combined cores
Power Supply	920W Redundant High-efficiency Platinum Level (94%+)
OS Drives	Standard Dual Mirrored 2.5" 320GB SATA, Hot Swap/Rear Accessible
Cooling	3 x 80mm 7K RPM Hot-Swap Chassis Fans
Operating Temperature Range	10 - 35°C (50° - 95°F)
Non-Operating Temperature Range	-40 - 60°C (-40° - 140°F)
Humidity Range	8 - 90% non-condensing
Non-Operating Humidity Range	5 - 95% non-condensing
Width	17.2" (437mm)
Height	3.5" (89mm)
Depth	25.5" (648mm)
Packaging	26.7" (W) x 11.4" (H) x 34.5" (L)
Gross Weight	52 lbs empty chassis (23.6kg)

## Electrical

Standard Internal Video/Control I/O (4/8 Channel Model)	
(4/8) HD-SDI/SD-SDI inputs (High Density BNC)	
(1) Ref Video Input (mini BNC) - not required	
(8/16) AES/EBU Digital Audio input channels (unbalanced BNC breakouts)	
(4/8) LTC Timecode Inputs (BNC breakouts)	
(4) RS-422 (Serial Deck Control)	
GPI Control In	
(5/9) Included mini-BNC to N+BNC-F adapter cables	
Input Voltage	100 - 240 C+VAC
Input Frequency	50/60 Hz

## Network Connectivity

Standard Dual Port Intel 10G-BaseT onboard autosensing network ports
Integrated IPMI 2.0 Ethernet Management Port
Optional Single/Dual Port SFP+ Optical 10Gbe card