Insight C-Series

Insight Production C-Series units C2 and C4 offer a comprehensive solution for small and medium production facilities, offering two and four channels independently configurable as either input or output with an exclusive web interface that allows control from any computer connected to the network and with advanced tools for day to day studio production. The system supports playout and recording of files with most popular codecs, wrappers and editing tools for team collaboration and multi-user operation.

With a standard SSD storage of 1TB upgradeable up to 4TB it provides up to 150 hours of 50Mbit material. The system supports XDCAM, ProRes and DNxHD file formats with either MOV or MXF wrappers. A phyisical remote control - sold separately - can be attached to any network client for operating the unit or doing sub-clip editing.

Insight C2 and C4 offer wide system integration providing standard connnection with FOR-A Hanabi switchers, network VDCP, AMP and FOR-A's GearLink control system. Files can be accessed and ingested through SMB and FTP plus HTTP media download.

Insight's web interface also allows alternative views with filtered channels and touch oriented interface for channel monitoring and operation, plus shotbox for host operation on studio.

Storage options
1TB dedicated storage
Upgradable up to 4TB

Suvpported resolutions
NTSC - PvAL - HD 720P (23.98/24/25/29.97/30)
HD 1080i (23.98/24/25/29.97/30)

Supported codecs
MPEG-2 | XDCAM | DNxHD | Apple ProRes

Input / Output
C2: 2 x SDI In 2 x SDI Out
C4: 4 reconfigurable SDI connectors
C4+: 4 x SDI In 4 x SDI Out

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Insight4
Multi Channel Video Server

FOR.A®

Insight4 Key Features

I Up to four channels in a single 1 RU enclosure.
  Channels can be configured as input, output, or
  combined video + key.

I Allows separate resolution playback per channel.
  i.e. SD, HD, 3G.

I Supports multiple users over a web browser interface.
  No special software to install or license.

I Sub-clip editing functionality allows the creation of
  multiple instances of clips based on in-point and
  out-point.

I Files can be ingested and sent to network locations for full
  workflow integration.

I Mixed file formats can be included in a single playlist.

I Order Model number FGP-400 (includes redundant power
  supply)

Shown with optional touch screen client computer

Storage options
4 x 3.5" Hot-swap SAS/SATA drive bays
4 x 2 TB 7200 RAID 10 storage
(approx. 150 hours at 50 Mbps)
4 x 500 GB SAS RAID 10 Storage
(approx. 40 hours at 50 Mbps)

Supported resolutions
NTSC - PAL - HD 720P (23.98/24/25/29.97/30)
HD 1080i (23.98/24/25/29.97/30)
HD 1080p (23.98/24/25/29.97/30) - 4K

Supported wrappers
MXF | MOV | AVI | MP4

Supported codecs
MPEG-2 | H.264 | XDCAM | IMX |
AVC-Intra | DNxHD

Channel configurations:
Playout x 4
Record x 4
Video + Key output x 2
Or combinations of the above.
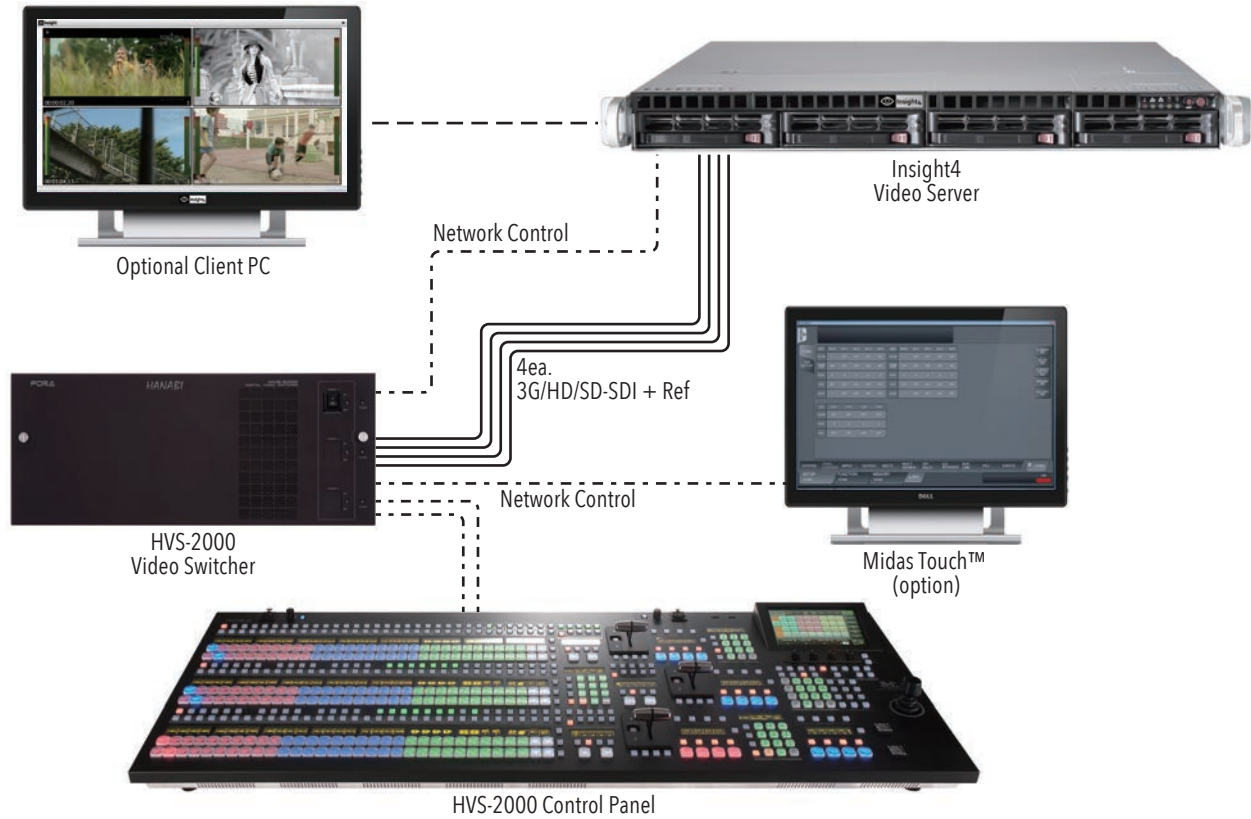Video + key requires two outputs per channel

Device integration
FOR-A Hanabi Switchers | BVS/DVS | VDCP

The Insight™ Production Server is a versatile four channel playout system designed for studio and OB Van environments.

The wide range of supported wrappers and codecs makes Insight an excellent tool for media contribution and general video playout tasks. The system supports up to four SD, HD or a single channel 4K (option). Channel pairs can be used for dual video + alpha outputs.

Insight has a full web interface that allows users to control the server from any device. Security and integration are key aspects of the system design. Assignable users, groups and security attributes brings confidence to large scale operations. A relaxed security mode is also available for a simplified operation on trusted environments. Different interface facets allow appropriate information to be exposed to different user roles. System video is streamed to web client instances to show actual content, allowing users to visualize and control Insight from an computer or mobile device connected to the network.

Studios and production environments usually have complex interactions between an assorted set of devices, which are coordinated either through human interaction or proprietary links. Insight's flexible event processor allows the connection of multiple devices such as video switchers and other studio equipment to orchestrate event triggering for a seamless production.

Insight Production Server is a tool for evolving infrastructures that require flexible file support, ease of use and event synchronization. Team up Insight Production Server with a Hanabi Switcher and create a full production suite with unmatched resources.

Example   Insight4 Server used with HVS-2000 Video Switcher

The Insight™ Production Server connects natively to the HVS-series video switchers allowing excellent interactive event synchronization between switcher and server.
Functions such as video cue and play based on bus tally and "Auto Take" following end of clip are easily achieved.

Optional Client PC

Network Control

Insight4
Video Server

4ea.
3G/HD/SD-SDI + Ref

Network Control

HVS-2000
Video Switcher

Midas Touch™
(option)

HVS-2000 Control Panel

Specifications

CPU
Intel E5-1650V3 3.50 GHz (*subject to change)

RAM
4 GB DDR3, 4

OS
Microsoft Windows 8.1 Professional 64-bit

Drive Bays
Hot-swap 2 TB 7200rpm RAID 10
4 x 3.5" Hot-swap SAS / SATA drive bays
Approx 150 hours of HD at 50 Mbps

Front Panel
Power & System Reset button
Status LEDs

Power Supply Hot Swap Redundant
350 W AC power supply w/PFC 100 VAC ~ 240 VAC, 50/60 Hz, 4.2 A ~ 1.8 A
UL, CE, FCC listed

Operating Environment (System)
5ºC ~ 35ºC (41ºF ~ 95ºF)

Dimensions
17.2" (W) x 1.7" (H) x 19.8" (D)
437 (W) x 43 (H) x 503 (D) mm

Packaging
23.4" (W) x 8.5" (H) x 29.7" (D)

Gross Weight
31 lbs (14.1 kg)

Rear Ports
2 x RJ-45 Gigabit Ethernet LAN
1 x RJ-45 Dedicated   IPMI LAN port
2 x USB 3.0 ports (2 rear)
4 x USB 2.0 ports (2 rear + 2 front)
1 x VGA port
1 x RS-232 serial port

Video Connectors:
4 x 3G/HD/SD-SDI
1 x Ref Input BB,TriSync
Mini BNC connector 75Ω
Four channels configurable as:
Playout x 4
Record x 4
Video + Key output x 2
Or combinations of the above.
Video + key requires two outputs per channel