

Incite Transcoder

Designing Integrated Solutions for Video Broadcasting

Task Server & Render Node



The screenshot displays the 'Task Server' interface with a table of tasks. The table includes columns for Task Name, Service, Status, Progress, Priority, User, Date Create, Date Start, Date End, and Error. A 'Server Online' status bar is visible at the top left of the table area.

Task Name	Service	Status	Progress	Priority	User	Date Create	Date Start	Date End	Error
PAM Media Import Project_Video	Incite_PamImportWatcher	Run	51	Normal	(not set)	2021-11-15 12:16:36	2022-09-02 11:29:22	2022-09-01 17:26:46	OK
Database Icon Watcher	Incite_DBIconWatcher	Run	51	Normal	(not set)	2021-11-15 16:19:05	2022-09-02 13:11:52	---	OK
Debug Watcher CURL meta	Incite_WorkflowFileWatcher	Run	50	Normal	(not set)	2021-11-17 17:03:22	2022-09-02 11:29:22	---	OK
Database Conversion Watcher	Incite_DBConvertWatcher	Run	51	Normal	(not set)	2022-01-03 12:42:03	2022-09-02 11:29:22	2022-09-01 17:26:46	OK
PAM Media Import Project_ZG Ingest	Incite_PamImportWatcher	Stop	50	Normal	(not set)	2022-01-03 16:19:07	2022-03-10 13:27:17	---	OK
PAM Media Import	Incite_PamImportWatcher	Stop	51	Normal	(not set)	2022-01-04 10:50:03	2022-01-04 10:50:04	---	OK
PAM Status Watcher	Incite_PamWatcher	Stop	50	Normal	(not set)	2022-01-04 10:50:42	2022-03-03 14:05:49	2022-03-03 14:04:53	OK
PAM Media Import	Incite_PamImportWatcher	Stop	51	Normal	(not set)	2022-01-04 10:50:56	2022-02-25 09:53:44	2022-02-24 18:10:26	OK
C:\InciteMedia\INPUT_VERTICAL1	Incite_ConverterWatcher	Stop	50	Normal	(not set)	2022-01-12 15:45:18	2022-04-04 10:50:49	2022-04-04 10:54:15	TaskServer: OK RemoteDB: OK SqFacade: OK
Email Service	Incite_EmailService	Stop	51	Normal	(not set)	2022-01-17 09:45:43	2022-05-09 12:09:27	2022-05-06 16:04:21	OK

The screenshot displays the 'Content (Video)' interface with a table of video assets. The table includes columns for Order ID, Icon, Name, Type, TC In, TC Out, Duration, Tracks, Status, Comment, Keywords, Created, Modified, Archived ID, Custom ID, and Actions. A context menu is open over the table, listing various actions like 'VT Export', 'FB Export', 'Copy To Archive', etc.

Order ID	Icon	Name	Type	TC In	TC Out	Duration	Tracks	Status	Comment	Keywords	Created	Modified	Archived ID	Custom ID	Actions
10	[Icon]	NWS_249322_FTP_XMK TRY CAR ACCIDENT	Video	00:00:00:00	00:02:21:00	00:02:21:00	V1A1A2				2022-05-24 17:14:51	2022-05-24 17:15:26	None	None	[Actions]
11	[Icon]	NWS_249322_FTP_XMK TRY CAR ACCIDENT	Video	00:00:00:00	00:02:21:00	00:02:21:00	V1A1A2				2022-05-24 17:14:51	2022-05-24 17:15:27	None	None	[Actions]
12	[Icon]	NWS_249322_FTP_TUT BVM MATRUJ TIRWANA KAM AWASARDHPPU	Video	00:00:00:00	00:03:01:00	00:03:01:00	V1A1A2				2022-05-24 17:14:51	2022-05-24 17:16:05	None	None	[Actions]
13	[Icon]	TRIGGER_POINT_EP1_18-0591-6001-083	Video	00:58:30:00	00:47:17:00	00:47:17:00	V1A1A2A3A4				2022-05-26 12:00:00	2022-05-26 13:00:00	None	None	[Actions]
14	[Icon]	Iran Taliban on 2018-10-05 at 13:18	Video	00:00:00:00	00:00:30:00	00:00:30:00	V1A1A2				2022-05-27 10:00:00	2022-05-27 10:00:00	None	None	[Actions]
15	[Icon]	16_18_23_30 DANCING IN THE KITCHEN	Audio	00:00:00:00	00:00:00:00	00:00:00:00	A1A2				2022-05-26 15:54:44	2022-05-26 15:54:50	None	None	[Actions]
16	[Icon]	16_18_23_30 DOING IT WRONG OPENING	Audio	00:00:00:00	00:00:00:00	00:00:00:00	A1A2				2022-05-26 15:54:44	2022-05-26 15:54:48	None	None	[Actions]
17	[Icon]	Iran Taliban VEO 24303230554BV	Video	10:00:00:00	00:00:00:01	00:00:00:01	V1				2022-05-16 17:51:07	2022-05-16 17:51:07	None	None	[Actions]

TRUE TASK AUTOMATION FOR INCREASED VIDEO PRODUCTION WORKFLOW



Incite Task Server & Render Node

Intelligent Transcoding, Rendering and Video Farming

Incite Task Server regulates exponential processing power for the automation of time-consuming but vital tasks in all phases of production. Whether its Ingest, batch transcoding, batch rendering, archiving or exporting sequences for final delivery, Incite Task Server lets you incorporate and manage all available CPU and hardware power connected to the network for faster performance and service.

Use Incite Task Server to automate file-based content production and for creation of proxy media for web editing during the capture of high-bitrate media. Use Incite Task Server to monitor render requests and process those requests on high-speed video farms simultaneously encoding into multiple formats for different distribution markets. In addition, use Incite Task Server to automate remote mixdown (export, playout, delivery) services via Incite Video Printer or transcoding to different formats via Render node.

Service Name	Status	Progress	Priority
01_001FX.avi Incite_Render	Run	0%	Normal

Hide Task(s) Show Task(s) Delete Task(s) Detach

Service Name	Status	Progress	Priority
project_01.avi Incite_DxService	Complete	100%	Normal

Service Name	Status	Progress	Priority
_01.idb Incite_Service	Complete	100%	Normal

Task Name	Status	Progress	Priority
01_001FX.avi	Run	0%	Normal
project_01.avi	Complete	100%	Normal
_01.idb	Complete	100%	Normal

Automate transcoding

Automate archive

Automate sequence compiling

Transcode during Ingest

Network-based video farming

WEB interface & Remote Control

Use on the Cloud or on premises

File-based QC software

Top Features for Incite Task Server

- Network-based & web task and media management over Ethernet connection for centrally stored media on any storage devices
- Distribute CPU-based transcoding and background rendering throughout the network
- Video Farming: Simultaneous transcoding to multiple formats during ingest
- Incite's dynamic clip architecture ensures transparency between hires media and transcoded proxy media: no need to recapture
- Easy-to-use transcoding templates for today's most popular broadcast quality and multimedia formats
- Integration with Incite Video Printer and Render Node for remote mixdown and transcoding
- Integration with many third-party systems

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Incite Render Node

Process Management

- File based processing with exclusive Incite Task Server Automation for batch file processing and network-distributed render farming
- Process can be deployed on single server or render farm on cloud or premises, multi-site and any storage location support.
- Full support for multi-threaded, and optimized for multi-core 64bit Windows architectures.
- Dynamic WEB architecture allows sharing / viewing of the material with users on different platforms.
- Automated workflow, tools for implementing end to end workflow
- Control and manage tasks using Incite Task Server interface embedded in Incite Media Manager or WEB GUI.
- File management and synchronization with different platform from LTO do Cloud

Transcoding

- All incite transcoding tasks are CPU-based with support of 3rd party codec solution vendor or ffmpeg support.
- Easy-to-use transcoding templates using an XML architecture
- Support format for professional or consumer ingest camera, editing, archive and delivery for broadcast, IPTV, VOD, WEB, mobile, OTT.
- Transcode multiple formats at once directly to any storage device
- Simultaneously transcode multiple proxy formats during ingest of hi-res media
- Transcoded formats are dynamically linked to original hi-res media
- Transcoded growing files can be played in WEB Edit or in Editing applications
- Batch Transcode selected media files from Incite Media Manager or MAM WEB GUI
- Transcode clip selections (based on log in and log out points) or entire media files.
- Watch Folder support with multiple destination and multiple format
- Archive and restore with optional transcoding with partial retrieve and transcoding.
- Consolidate media & Stich Media
- Indexing and Scene detection
- Direct Convert, convert container with our re-encoding
- Frame rate conversion support
- Loudness and True Peak normalization support
- Multi-Channel audio
- Closed Captioning support
- Watermarking of video with timecode or logo
- Thumbnail Generation
- Ingest from common camera card formats from Panasonic, Sony, RED, Canon, GoPro
- Advanced Incite Project Configuration tools let you assign/modify media destination folders over the network or cloud, users and workgroups
- Automated transcoding ensures collaborative workflow between Incite Proxy WEB Editor and on-line editing systems.
- 3rd party property format support
- API available
- Social Media API support

Minimum System Requirements:

- OS: Windows Server 2012r2, 2016, 2019,2022 or Windows 10/11 (64-bit)
- CPU: Recent single or dual Intel Xeon or i7, with multiple cores.
- RAM: 32GB,
- HDD: Fast local HDD/SSD for installation and database.
- Network: Fast connection to media location and communication between nodes – 1Gbe minimum.

Supported Containers: (not exhaustive)

- MXF (All OP's including AS formats),
- ProRes in MXF
- P2 MXF
- DNxHD/DNxHR in MXF
- MPEG-2 TS
- MPEG-2 PS
- MP4
- MOV (inc. ref. files)
- ASF
- AVI
- LXF
- GXF
- Flash
- IMF
- R3D
- HLS
- DASH

Supported Video Codecs: (not exhaustive)

- AVC-Intra, AVCHD
- Canon XF MPEG2
- Digital SLR,
- DVCAM, DVCPRO50, DVCPROHD
- DPX
- HDV
- XDCAM EX
- XDCAM HD, XDCAM HD422
- Sony XAVC
- Sony RAW
- Avid DNxHD
- VC-3
- Apple ProRes
- QuickTime
- Uncompressed 8-bit 4:2:2
- Uncompressed 10-bit 4:2:2
- MJPEG, JPEG2000
- MPEG2/1
- H264, H265(HEVC)

Supported Audio Codecs: (not exhaustive)

- MPEG1/2
- PCM
- AAC
- AES3
- LATM
- ADPCM
- LPCM
- WAV
- MP3
- BWF
- WMA
- DV
- AC-3
- Dolby Digital Plus

Captions / subtitles / text

- CEA-608/CEA-708 in Line 21 video, ATSC 53, DVB-Teletext, SCTE 20, SCTE 128 and SMPTE 436M; SMPTE Timed Text and variations, including DFXP; EBU Subtitles, including STL; SRT; SCC.



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