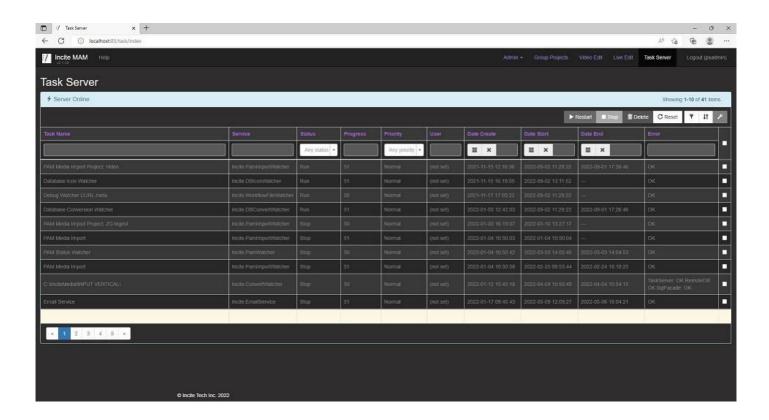
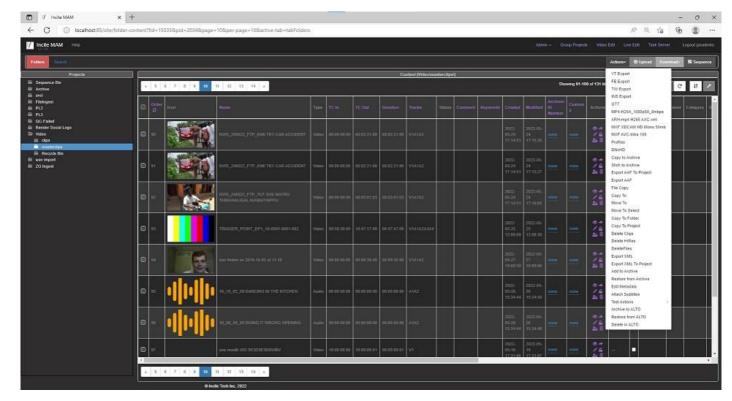
## Incite Transcoder

Designing Integrated Solutions for Video Broadcasting

**Task Server & Render Node** 







TRUE TASK AUTOMATION FOR INCREASED VIDEO PRODUCTION WORKFLOW

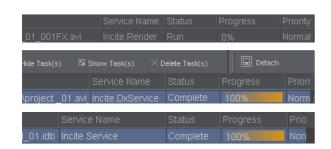


# Incite Transcoder

Designing Integrated Solutions for Video Broadcasting

**Task Server & Render Node** 





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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

## 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.

#### 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



## 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-
- Simultaneously transcode multiple proxy formats during ingest of hires 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
- ADPCMLPCM
- 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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