



IPDirector | VERSION 08.06.00.144

RELEASE NOTE

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The latest version of the release note, if any, and other release notes on EVS products can be found on the EVS download center, on the following webpage: <https://www.evs.com/en/download-area>.

EVS PRODUCTS COMPATIBILITY

IPDIRECTOR		MULTICAM	XSQUARE SUITE
Database	08.06.00.136	21.x up to 21.0 & 20.7 & 20.x up to 20.6 & 17.0 (& 16.6)	4.12 (& 3.16)
IP API	08.06.00.136		
IP Drive	08.06.00.136		
IP Scheduler	08.06.00.136		
IPDirector	08.06.00.136		
Routing	08.06.00.136		
Synchro DB	08.06.00.136		
VTR Engine	08.06.00.136		
Remote Installer	08.06.00.136		
User Manager	08.06.00.136		
IP Browse	08.06.00.136		
IP Clip Logger	08.06.00.136		
Software Player	08.06.00.136		



Important: some IPDirector 8.6 features might only be available from specific Multicam version:
See "New Features" section

IPDIRECTOR API MODULES	
IPWeb	3.0
IP MOS Gateway	08.06
IP MOS ActiveX	08.06
VIA MOS Gateway <i>(NEW)</i>	1.0
VIA Flow (for IPDirector)	2.9
ARCHIVE Add-On	1.8
PUBLISH Add-On	2.9
Auto Clipping Tool	1.1.8.10

From IPDirector 8.6, there is a new VIA MOS Gateway for the NCS integration.

This first version of VIA MOS Gateway supports iNews and ENPS NCS vendors only, and it supports ABRoll Playlist only (no Classical Playlist)



Note: Refer to the Install & Configuration Manuals for more information and Release Note

- > *VIA_MOS_Gateway_configman.pdf*
- > *VIAMOSGateway_Release_Note_1.0.pdf*



WARNINGS

INSTALL & UPGRADE

From IPDirector 8.0 software versions are available on demand.

Some mandatory actions must be performed on your system as part of the upgrade process.

Please contact your EVS Account manager to discuss the steps required as part of the upgrade, and how to obtain the software.



Warning:

Licensing – Live PAM Engine and IPDirector Access licenses related to IPDirector 7 are no longer supported in IPDirector 8.

From IPDirector version 8.0 new license codes must be used. It is mandatory to upgrade the existing 7.x licenses to the new 8.x licenses on your setup before the upgrade.

Without those new license codes on the setup the IPDirector 8.x application will not start.

LICENSES	COMMERCIAL CODE	LICENSE TYPE	NEW XSECURE CODE (8.X)	FORMER XSECURE CODE (7.X)
Live PAM Engine 8	IPDIR8-LPE-GO (former IPDIR-LPE-GO)	Floating	6	5
IPDirector Access 8	IPDIR8-IPDIR-GO (former IPDIR-IPDIR-GO)	Fixed	210	200
	IPDIR8-IPDIR-FL-GO (former IPDIR-IPDIR-LG-GO)	Floating	211	201

MANDATORY BEFORE INSTALL & UPGRADE

LICENSING | MICROSOFT LEGAL OBLIGATION (WINDOWS CAL DEVICE 2019)

SQL Server 2019 Standard (Windows Server 2019) is supported on the DB Server 1U (DBS1-4201S).

This compatibility introduces the Microsoft “Windows Server CAL Device 2019” for any device (hardware) connecting to the DB Server running “Windows Server 2019” OS.

In order to comply with this Microsoft legal obligations, the Microsoft “Windows Server CAL Device 2019” is required for all EVS hardwares (IPDirector, Xsquare, etc) connecting to the DB Server (SQL Server 2019).

From 1st of June 2021 all the EVS hardwares are provided with a “Windows Server CAL Device 2019”.

For non-EVS hardware and EVS hardware sold before June 2021, this is the customer responsibility (upgrading to SQL Server 2019 or buying a DB Server 2019) to guarantee his setup complies with Microsoft legal obligations and purchase the Microsoft “CAL Device 2019” needed.

UPGRADE & DOWNGRADE PROCEDURE

Upgrade/downgrade procedure



Note: Please refer to *Procedure_Upgrade_Downgrade_IPD_8.6.pdf* document

DB Servers must be upgraded with the latest SQL Toolkit.

> Latest SQL toolkit version : SQL_Toolkit-24.9.1.zip



Note: To deploy IP Browse or IP Clip Logger, refer to the IPDirector *Technical Manual (TechRef)*.

MANDATORY AFTER UPGRADE

NEARLINE AND IP DRIVE | NO MORE XML UNIT

From version 7.20 of IPDirector, the Backup to nearline / IP Drive, Restore (from nearline / IP Drive) to XT operations and Copy by GigE triggered from IPDirector are no longer managed by XML units, but by Xsquare templates. During the upgrade to the XML configuration is dropped. The Nearlines / IPDrives have to be re-configured after the upgrade.

A IPDirector plugin, named ConfigV1_Nearline_IPDrive, is provide to overview the configuration of the XML unit present before the upgrade.

For more information, refer to the Technical Reference document of the Remote Installer



Important: XML Units are dropped during the upgrade.
All Nearlines and IP Drives configuration must be done after the upgrade.

THUMBNAIL | NO MORE XML UNIT

From version 7.20 of IPDirector, the thumbnails and grabs creation is no more managed by XML units. During the upgrade to the XML configuration is dropped. The Thumbnails have to be re-configured after the upgrade.



Important: XML Units are dropped during the upgrade.
Thumbnail configuration must be done after the upgrade.

VIRTUALIZED ENVIRONNEMENT

BACKEND FUNCTIONS

BACKEND FUNCTIONS	
DB Server	✓
Master SDB	✓
SDB – Directory Management	✓
SDB – Server Management	✓
Routing	✓
API	✓
IS-ES	✓
IP Scheduler	✓
IP Drive	⚠
Archive	✓
ABRoll	✓
IP MOS Gateway	✓
Router Control	⚠
VTR Engine	⚠

USER WORKFLOWS BASED ON VIRTUALIZED BACKEND

USER WORKFLOWS BASED ON VIRTUALIZED BACKEND	
Browsing (IPDirector/IP Browse)	✓
Logging (IPDirector/IP Clip Logger)	✓
Ingest Control	✓
Server Control (via MOXA)	✓
Playout Control BePlay/MPlay (via MOXA)	✓
VTR Ingest	✗
IP Drive	✗
IPedit	✗
Media Management	✓
Archive	✓
Router Control (IP)	✓
Router Control (RS)	✗

RS REMOTE PLAYOUT CONTROL | BEPLAY & MPLAY

VMware client (RDP – HorizonView)

- > MOXA bridge 8 ports (NPort 5630-8)
- > MOXA bridge 1 port (NPort 6150)



Note: LAN validation performed

WORKFLOWS SUMMARY

EVS Server Control Management



Figure 1 | Standalone

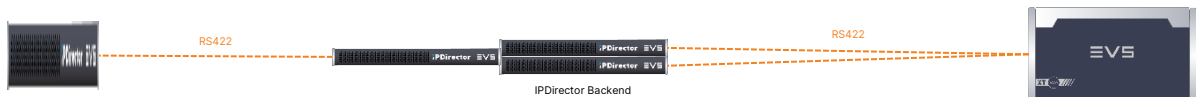


Figure 2 | Management Backend (Physical)

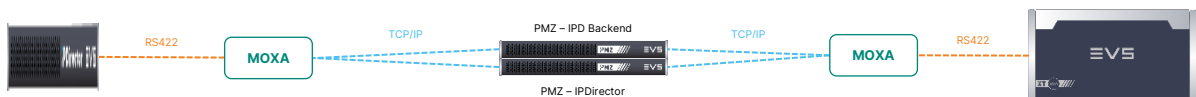


Figure 3 | Management Backend (Virtual)

PUBLISH ADD-ON FOR IPDIRECTOR

From version 7.60 of IPDirector, the PUBLISH Add-On for IPDirector enables publishing to Social Media - Facebook, Twitter, YouTube, Generic CMS.

From version 8.1, Twitch has been removed from PUBLISH Add-On due to API deprecation.

From version 8.4, Twitter has been removed from PUBLISH Add-On due to API deprecation.



Note: Refer to the PUBLISH Add-On release note and the Installation and Configuration Manual for more information.



ARCHIVE ADD-ON FOR IPDIRECTOR

From version 7.91 of IPDirector, the ARCHIVE Add-On for IPDirector enables archiving to Amazon S3 Cloud Storage.

From version 8.0 of IPDirector, the ARCHIVE Add-On for IPDirector enables archiving to Wasabi Cloud Storage.



Note: Refer to the ARCHIVE Add-On release note and the Installation and Configuration Manual for more information.

LICENSES

IPDIRECTOR MODULE	XSECURE CODE	DESCRIPTION
IPDirector 7 Live PAM Engine	5	This license is obsolete from IPDirector 8.0
IPDirector 8 Live PAM Engine	6	Floating license (unlimited) installed on Database
IP MOS Gateway	13	License installed on the IPDirector workstation
IP Router Control	14	License installed on IPDirector linked to the router
Auto-Clipping	16	License installed on the workstation where the tool is running
IP Logger (Fixed)	20	License installed on IPDirector workstation
Ingest Scheduler (Fixed)	40	License installed on IPDirector workstation
Production Playlist (Fixed)	50	License installed on IPDirector workstation
IP Edit (Fixed)	60	License installed on IPDirector workstation
Director's Cut (Fixed)	110	License installed on IPDirector workstation
Director's Cut (Floating)	111	Floating license installed on Database
IP Logger (Floating)	120	Floating license installed on Database
Ingest Scheduler (Floating)	140	Floating license installed on Database
Production Playlist (Floating)	150	Floating license installed on Database
IP Edit (Floating)	160	Floating license installed on Database
Archive (ATS) & ARCHIVE Add-On	171	Floating license installed on Database
PUBLISH Add-On Facebook	180	Floating license installed on Database
PUBLISH Add-On Twitter	181	Floating license installed on Database
PUBLISH Add-On YouTube	182	Floating license installed on Database
PUBLISH Add-On Generic CMS	183	Floating license installed on Database
PUBLISH Add-On Twitch	184	Floating license installed on Database
IPDirector (Fixed)	200	This license is obsolete from IPDirector 8.0
IPDirector (Floating)	201	This license is obsolete from IPDirector 8.0
IPBrowse (Fixed)	202	License installed on Browsing workstation
IPBrowse (Floating)	203	Floating license installed on Database
IP Clip Logger (Fixed)	204	License installed on Logging workstation
IP Clip Logger (Floating)	205	Floating license installed on Database
IPDirector 8 (Fixed)	210	License installed on IPDirector workstation
IPDirector 8 (Floating)	211	Floating license installed on Database
VIA MOS Gateway (NEW)	213	Floating license installed on Database (from 8.6)
IPWeb (Floating)	221	Floating license installed on Database
IP MOS ActiveX (Floating)	223	Floating license installed on Database
IPLink for Adobe (Floating)	225	Floating license installed on Database
IPLink for Avid (Floating)	227	Floating license installed on Database
API Connect for authorized 3rd-Party (Floating)	237	Floating license installed on Database
Pool license (Floating)	239	Floating license installed on Database

NEW FEATURES

IN 8.06.00

- > ABRoll – Studio edition [GREEN-903]
- > Logging – Export logsheets without linked media [GREEN-211]
- > Control Panel – Display metadata information [GREEN-630]

IN 8.05.00.173

- > IPDirector 8.5 compatible with M21.0 (.x) [PRODUCE-525]
- > IPDirector 8.5 compatible with VIA Xsquare 4.12 [PRODUCE-526]

IN 8.05.00

- > IPDirector 8.5 compatible with M20.7 & M17.0 [PRODUCE-173]
- > IPDirector 8.5 compatible with VIA Xsquare 4.11 [PRODUCE-249]
- > ABRoll capabilities
 - > Auto Assign (button and contextual menu) available based on settings [PRODUCE-262]
 - > Flashing border around the playlist elements based on settings [PRODUCE-264]
 - > LIMITED AVAILABILITY - Resync from IPDirector the ABRoll Playlist with MOS [PRODUCE-35]
 - > LIMITED AVAILABILITY - Auto-Assign on ABRoll PL edition and from iNews actions (delete, move, insert) [PRODUCE-123]
 - > LIMITED AVAILABILITY - MonOn rundown provides Offline PL element status back to NRCS - [PRODUCE-261]
- > VarID Management - Auto-naming VarID - based on Origin of the clip/edit creation request (%ORIGIN), based on Numeric Counter (%COUNTER) [GREEN-290]
- > EDL Generation - Ability to exclude logs in EDL generated [PRODUCE-318]
- > Restore clip to specific location - Position 10 listed after position 9 of the bank [PRODUCE-33]
- > PUBLISH Add-On - YouTube privacy level support [PRODUCE-359]

IN 8.04.00

- > IPDirector 8.4 compatible with M20.6 [PRODUCE-147]
- > IPDirector 8.4 compatible with VIA Xsquare 4.9 [PRODUCE-146]
- > ABRoll capabilities
 - > Lock selected element position / continuous scrolling [IPD-14359]
 - > Continuous Auto-Assign [PRODUCE-187]
 - > Fast Continuous Auto-Assign (MUL 20.6.27 required) [PRODUCE-207]
 - > Default channel assignment with shortcut to call it back (O, Shift-O) [IPD-14142 - PRODUCE-201]
 - > Goto Asap and Play [IPD-14441]
 - > Stop function to end a playing element [IPD-13974]
 - > Timecode/duration to flash in the ABRoll control panel when reaching the end of a clip [IPD-14362]
 - > Bigger font size [IPD-14361]
 - > Highlight entire row [IPD-14113]
 - > Show metadata field value only when changed in ABRoll playlist [IPD-14104]
 - > New shortcuts introduction [IPD-13971]
 - > Possibility to assign the numeric keypad "." as a shortcut [IPD-14565]
- > AsRunLog - As Run Log Merger based on template [IPD-14415]
- > Control Panel - Specify Duration in Control and Record Panel [IPD-14094]
- > Software Player - Vertical video support [IPD-13962]
- > UI Apps - Layout Snap [IPD-14701]
- > ProRes-4K for UHD-4K [IPD-13130]
- > PUBLISH Add-On - Remove twitter support [IPD-14454]

- > Support Streaming Server on PMA HP hardware for IPWeb workflow [IPD-14195]
- > Support IPMOSGateway on PMA HP hardware for MOS playout integration [IPD-14193]

IN 8.03.00.201

- > Grab thumbnails on MP4 H264 while the clip is growing - Not supported - Use Lo-res for grab (YOG 24)[IPD-14395]

IN 8.03.00.196

- > IPDirector 8.3 compatible with VIA Xsquare 4.8 [IPD-14101]
- > IPDirector 8.3 compatible with M20.6 [IPD-14370]

IN 8.03.00

- > Ingest Scheduler – Collapse/Uncollapse streams on multi-selection [IPD-13914]
- > Ingest Scheduler – Display remaining storage capacity when streaming to AVID Nexis [IPD-12278]
- > Playlist Panel – Automatic insertion/deletion/move of clips using the same VarID in ganged playlist [IPD-13134]
- > Playlist Panel – Ability to eject a playlist from PGM [IPD-13777]
- > Playlist Panel – Possibility to quickly open a playlist in a playlist panel by double clicking on it in the Database Explorer [IPD-13780]
- > Playlist Panel – AUX clip duration and color code [IPD-13874]
- > Control Panel – Ability to choose a specific media resource for a media asset [IPD-13529]
- > User Manager – New rights for Bins, possibility to add and remove [IPD-13885]
- > IPLogger – Logsheets association option, on media instead of record trains [IPD-13823]
- > Ingest Scheduler – Thumbnails on record blocks [IPD-13801]
- > IPLogger – Quick logging option to trigger a new log using a keyword from grid of dictionary [IPD-13673]
- > IPLogger – Sync log with player TC as an option on logsheet elements [IPD-13630]
- > Director's Cut – Support for Cerebrum [IPD-13740]
- > Shotcuts – Next To Play [IPD-13976]
- > Shotcuts – Go to ASAP [IPD-13865]
- > Blackbird – Rendered sequence media asset renaming and storage destination [IPD-13243]
- > VIA Xsquare – Support for the new react version [IPD-13861]
- > IPDirector compatible with Multicam 20.5 & Multicam 16.6 [IPD-13933]
- > IPDirector compatible with VIA XSquare 4.7 [IPD-13932]
- > MediaCaption Signature
 - > New licensing model implementation for IPD-VIA as PAM Core [IPD-13856]
 - > Added support for ABroll Playlist in IPD-VIA Play [IPD-13627]
 - > Separated installers [IPD-13834]

IN 8.02.00.145

- > Database Explorer - Ingest name extended from 64 to 128 characters. [IPD-13449]

IN 8.02.00

- > Database Explorer – Restore to specific EVS Server location [IPD-13484]
- > Database Explorer – Filter by LsmID across EVS Servers [IPD-12721]
- > Database Explorer – Referencing of new dual Fill & Key clip type on EVS Server [IPD-13546]
- > Database Explorer – Bulk import playlists [IPD-13495]
- > General – Search for specific field inside of the grid organization [IPD-13629]
- > ABRoll – Improved notification when MOS is unsynced [IPD-13525]
- > ABRoll – View studio settings [IPD-13511]
- > Control & Playlist panel – Drag & drop clips from playlist panel on different control panels [IPD-13550]
- > CODEC – Support of XAVC LongGOP [IPD-13131]
- > IPDirector compatible with Multicam 20.4 & Multicam 16.6 [IPD-13597]

- > IPDirector compatible with VIA XSquare 4.6 [IPD-13596]
- > ARCHIVE Add-On – Support of mutli threaded transfers [IPD-13245]
- > MediaCeption Signature
 - > Remote Installer – Support of Active Directory users [IPD-13390]
 - > Remote Installer – Show VIA UI components version option [IPD-13438]

IN 8.01.04.132

- > Ingest Scheduler – Reordering of the recorders [IPD-13452]
- > Database Explorer – Logs, grab thumbnail on specific recorder [IPD-13450]
- > Control & Playlist panel – Handling clip LsmID across multiple SDTI networks [IPD-13378]
- > Playlist panel – Handling playlist LsmID across multiple SDTI networks [IPD-13392]
- > IPDirector compatible with Multicam 20.4 & Multicam 16.6 [IPD-13655]
- > IPDirector compatible with VIA XSquare 4.6 [IPD-13657]

IN 8.01.04

- > Software Player Control Panel - Ability to change angle when right clicking on pause button [IPD-12551]
- > Blackbird video cloud editing integration [IPD-13063]
- > Database Explorer - Ability to search for a logsheet or bin based on its name [IPD-13135]
- > MediaCeption Signature
 - > Remote installer - IPD-VIA applications install & update mechanism [IPD-13139]
 - > Synchronize IPD-VIA applications user rights with IPDirector [IPD-13176]
- > Security – ElasticSearch updated to 6.8 latest version [IPD-13163]
- > Nearline - Synchronization optimization [IPD-13164]
- > Application Toolbar - Applications visibility management [IPD-13180]
- > AB Roll – New option for setting channels to black when unselected or idle [IPD-13233]
- > Flatten to XT - Remote Installer create separate template [IPD-13244]
- > IPDirector compatible with Multicam 20.3 & Multicam 16.6 [IPD-13323]
- > IPDirector compatible with VIA XSquare 4.5 [IPD-13324]
- > Thumbnails – Remote Installer, ability to select elements requiring thumbnails creation [IPD-13376]

IN 8.00.04.157

- > Router Control improvements - Use getAll command of VSM [IPD-12834]
- > Install WebView2 on IPDirector machine [IPD-13285]

IN 7.92.08.192

- > IPDirector compatible with Multicam 20.4 & Multicam 16.6 [IPD-13656]
- > IPDirector compatible with VIA XSquare 4.6 [IPD-13658]

IN 7.92.08.186

- > IPDirector Transition to new H12 platform (AMD) - IPDirector 2U HW UP [IPD-12319]
- > PUBLISH Add-On - Audio crossfade between media and bumper [IPD-12581]

IN 7.92.08.182

- > IPDirector Plugins centralized configuration, ease IPDirector Plugins configuration moving from an XML config to a Remote Installer config [IPD-12712]
 - > RI config - valid for complete setup/all machines
 - > XML config - valid per machine
- > New version of the Plugin in IPDirector to support newer browsers, Support using Edge Web View (Chromium) [IPD-12386]
- > Ease Logo, bumper selection (drop-down list) for a better user experience [IPD-12658]

- > IPDirector archive capabilities is enlarged with Wasabi Cloud Storage support (Full Archive, Full Restore) [IPD-12722]
- > Lock Layout, ability to freeze a workspace loaded from a layout on a per user or group basis (no possibility to move or close windows) [IPD-12727]
- > IPDirector compatible M20.2 combined to M16.6. Compatibility update with newer version of Multicam [IPD-12885]
- > DB size information provided in SQL Toolkit in order to ease the monitoring of the growing database size [IPD-12944]
- > IPDirector compatible Xsquare 4.4. Compatibility update with newer version of XSquare [IPD-13038]

IN 7.92.08

- > Update to Software Player 4.3.94 [IPD-12854]
- > Ease patch dll deployment through Remote Installer [IPD-12921]
- > IPDirector compatible M20.2 combined to M16.6 [IPD-13115]

BUG FIXES

IN 8.06.00.144

- > Deleted clip on XT not synchronized to IPDirector [IPD-16378]
- > No logs visibility when the column "Published" is displayed [IPD-16300]

IN 8.06.00.135

- > Playlist - Shortcut "v" for the unloop on a PL Fill&Key is not working [IPD-15428]
- > Playlist - Issue inserting a LIVE element [IPD-16144]
- > Ingest - Max Retry Attempt when extending recording due to server timeout [IPD-16254]
- > Playlist - The subclip to playlist retains parent clip duration [IPD-16279]
- > Indexing Service - Crawler blocked in the indexation [IPD-16280]

IN 8.06.00

- > Remote installer - GUI issue with the Auto refresh option [IPD-15277]
- > AB Roll - Error display when trying to PlayOnPlayer [IPD-15238]
- > SQL Toolkit - Need a new version of the SQL Toolbar compatible with SSMS 20.2 [IPD-15170]
- > ABRoll - Clip Played on Channel B but in ABRoll it's displayed Channel A [IPD-15168]
- > IPLogger - Export doesn't work when Automatic is not checked in the RI [IPD-15148]
- > Workflow monitoring slow (1.4 minutes) to be displayed [IPD-15142]
- > BIN could not be delete even if user right are OK [IPD-15071]
- > Ingest Scheduler - After "Save" the Timecode In/Out is not reset to [IPD-15061]
- > TimeCode reset to 0 shortcut not working [IPD-14962]
- > Xsquare-agent.log show a lot of error [IPD-14660]

IN 8.05.00.173

- > Ingest Scheduler | IPDirector memory leak when using Ingest scheduler [IPD-15210]
- > ABRoll | Main-Backup | Played status on Main but not on Backup [IPD-15141]
- > ABRoll | Main-Backup | Allowed users to re-cue an element without pausing doesnt work [IPD-15144]
- > IPMOSGateway sending wrong WrongID to ENPS [IPD-15143]

IN 8.05.00

- > Target Appears twice when send to from Playlist panel [IPD-15087]
- > AB Roll | Play asap during playing causes desynchronisation Main/Backup [IPD-14636]
- > ABRoll Main-Backup | Create of new rundowns blocked and impossible to delete [IPD-15084]
- > Primary and backup channels desynchronized, loading separate clipes [IPD-14823]
- > Old clip doesn't appears in the nearline after a delete of the nearline by the plugin "Storage" [IPD-14977]
- > IPDirector Auto-Logoff doesn't work anymore when several workgroups configured [IPD-14682]
- > Desync ABRoll - Error45 - Operation TimeOut [IPD-14830]
- > ABRoll Usage logs (ASRun logs) stopped being generated [IPD-15004]
- > Black when loading/cueing playlist elements [IPD-14795]
- > SWP Crash [IPD-14551]
- > AB Roll - Main and backup playout not in sync - Nack 0x0328 [IPD-14691]
- > 2 PM Playlist not received in IPD [IPD-14760]
- > MOS ABRoll Playlist Desynch in PCR 20 [IPD-14800]
- > Lo-Res Element has a different VarID compared to rest of the clip elements [IPD-14827]
- > ABRoll errors, impossible to load ABROLL [IPD-14978]
- > ABROLL | Desynch with an insert comment - Deadlock [IPD-15009]
- > Video rolled from playlist via ABroll flashed black in video shortly after it started [IPD-15011]
- > Ingest Scheduler - No confirmation Pop-Up Window when expanding Ingest

IN 8.04.00

- > No additional bug fix compared to latest 8.3 patch version (.201)

IN 8.03.00.201

- > API Token issue introduced when improving load test performances [IPD-14489]
- > SWP crash when loading clip [IPD-14393]
- > IPDirector Trim Element or Split Element not supported [IPD-14630]
- > Shortcut E & A in Playlist Panel lead to Error Message [IPD-14644]
- > IP-Browse: Organizing Columns is not saved [IPD-14499]
- > After a Recue on a PL Main/Backup, all the operations take more time [IPD-14434]

IN 8.03.00.196

- > In some scenarii, sql queries can fail due to concurrent accesses on sql connections [IPD-14404]
- > Hi-Lo Files present on Storage but not on IPD Nearline [IPD-14388]
- > When story is floated in iNews Channel to Cue and not go to black [IPD-13583]
- > IPDirector clip player freezes on playlist playback [IPD-14020]
- > Impossible to publish bin directoy [IPD-14109]
- > Software Player playback choppy from 4K servers [IPD-14232]
- > Playlist Item not found when using AB Roll Playlist Control Panel Play Button [IPD-14241]
- > Bplay stopping program channel when switching Recorder [IPD-14128]
- > Information regarding HI-LO not correct on Software player [IPD-14143]
- > ABRoll- Mplay - Cue & Play Issue [IPD-14171]
- > Targets in IPBrowse are displayed twice [IPD-14144]
- > Channel Explorer is slow with 96 recorders [IPD-14301]
- > HI-Lo Files present on Storage but not on IPD Nearline [IPD-14388]
- > Desync IPDMOS when floating an element into an offline playlist [IPD-14391]
- > Ingest Schedule updates from API makes XSquare target disappear [IPD-14390]
- > Double show off Send-to-Targets Database Explorer/Playlists in IPD [IPD-14389]
- > IPDirectors losing RS-422 ports in Remote Installer without the drivers 2.16.32.2 [IPD-14326]

IN 8.03.00

- > When a cued element is floated in an NCS, channel goes to black instead of cueing next element [IPD-13583]
- > Digital publishing – Target window incorrectly displayed [IPD-13410]

IN 8.02.00.145

- > AB Roll - All channels turn to black when using "Cue from this position"[IPD-13811]
- > MediaCeption Signature – Various improvements related to VIA UI components integration

IN 8.01.04.132

- > Router control - When changing route source, the name is not correctly change in Ingest scheduler [IPD-13505]
- > General - Application crashes at launch with an integration Active Directory [IPD-13549]
- > Ingest scheduler - VarID is not modified on XT and Steam HI, but is correct in the database explorer following its creation [IPD-13553]
- > Layout - Can only open layout tool bar by clicking on "LAYOUT" word [IPD-13556]
- > IPD Plugin - Doe not work with IPD 08.01.4.145 [IPD-13559]
- > Database Explorer - XT recorder duration is incorrect [IPD-13590]
- > Remote - M-Play doesn't work after several Next-Previous on an ABRoll studio Main-Backup [IPD-13633]

- > XML - Could not import XML : MANDATORY_FIELD_MISSING - - Node Tag: Clips_Infos - Node Value [IPD-13671]

IN 8.01.04

- > Elastic Search Yajsw logs - no rotation [IPD-13294]

IN 8.00.04.157

- > Database upgrade failed when upgrading from 7.92.08.182 to 8.00.04.145 [IPD-13160]
- > Playlist name disappear [IPD-13167]
- > "GetAvailableXTInformationWithUserRight_V01_01" method not returning XT when selection is enabled [IPD-13183]
- > IPDirector server configuration window is blank [IPD-13292]
- > Ingest Scheduler clip name numbering not in correct order [IPD-13337]
- > Virtual element not updated/resetted when clip is deleted [IPD-13345]

IN 7.92.08.192

- > ABRoll - IPDirector freezes when opening a copy of the ABRoll in a Playlist Panel [IPD-13442]
- > Remote - ShuttlePro IN/OUT issue when you are too fast [IPD-13460]
- > ABRoll - Improved MOS unsynced notification [IPD-13527]
- > SynchroDB - Nearline rescan when service restart [IPD-13554]
- > API - IPMOSGateway creating new playlists with XT Generic User as owner [IPD-13560]
- > Control Panel - IN/OUT marks problem after update element when we load a Clip from Playlist Aanel to a Software Player [IPD-13638]
- > ABRoll - Playlist name truncated after loaded in ABRoll [IPD-13639]
- > Payout - Loop playback is not working with speed diff than 100% [IPD-13649]

IN 7.92.08.186

- > Failed to load Playlist imported in the Playlist Panel [IPD-13058]
- > IPD VM dump while scrolling in the database [IPD-13090]
- > Clips lengths differ following restore with overwrite based on VarID [IPD-13151]
- > HDR and wide color gamut metadata not detected [IPD-13168]
- > Communication interrupted with the router [IPD-13199]
- > Focus lost when moving elements in ENPS [IPD-13203]
- > "IPD_CLIP_CREATED" & "IPD_CLIP_UPDATED" events not received when creating ingest blocks [IPD-13220]
- > Playlist Bin Rule does not send to target [IPD-13229]
- > ABRoll lost the element in CUE highlight but the elements are correctly cued in the PGM [IPD-13236]
- > Moving the playing element in ENPS is refused by Multicam but the API replies successfully [IPD-13238]
- > ABRoll disappears when live on air, issues with playback access [IPD-13240]
- > Drag & drop 600 clips in the playlist, IPDirector memory increases and application doesn't respond [IPD-13246]
- > SynchroDB stops unexpectedly [IPD-13256]
- > The routing service on the SynchroDBMaster workstation takes 50% of the CPU [IPD-13286]
- > SynchroDB Master crashes 4-5 times per day [IPD-13296]
- > XML metadata file corrupted, on 100 transfer 2 are corrupted [IPD-13298]
- > Switching to SWP in IPedit disables PGM video from AVH card [IPD-13340]
- > Restore to XT doesn't work if growing tag is at 1 [IPD-13445]

IN 7.92.08.182

- > Maintenance job FT catalog [IPD-11591]
- > Serialization Error in IPDP Protocol (Flatten timeline -> EDL parser error or wrong duration) [IPD-12882]
- > IPD DB Server Reindexing Stuck & DB became bigger [IPD-13065]

IN 7.92.08

- > IPDirector Application won't launch [IPD-12870]
- > Selection in DB explorer shifts when new clips are created in the meantime [IPD-12871]
- > Go to TC IN button stops working [IPD-12873]
- > Playout of clips stops on a second later [IPD-12874]
- > Serialization Error in IPDP Protocol (Flatten timeline -> EDL parser error or wrong duration) [IPD-12883]
- > When appending a clip, its TC IN is not displayed in the playlist panel [IPD-12884]
- > Infoplay displayed in IPD are slow [IPD-12896]
- > Delete clip failed [IPD-12897]
- > Timeline tags disappear when doing audio replace with LSM remote [IPD-12932]
- > Clips were duplicated after playback and not showing correct LSM ID in IPDirector and Playlist [IPD-12957]
- > Can't send growing files to Avid [IPD-12964]
- > IPDirector freezes when adding large batches of Nearline Files to Playlist [IPD-12966]
- > Playlist Duplicate after import [IPD-12984]
- > Could not assign channels in ABRoll [IPD-13023]
- > ABRoll not updating during the play of a clip [IPD-13024]
- > After an edit, the XT Recording session is not the same as Stream recording session [IPD-13027]
- > Restore in ABRoll does nothing until copy locally is clicked [IPD-13028]
- > Modify Profile - Restore To XT modification are not send to the user [IPD-13035]
- > Loop function failure in ABRoll [IPD-13055]
- > Failed to load Playlist imported in the Playlist Panel [IPD-13058]
- > No audio swap after a convert PlaylistToTimeline and flatten to XT [IPD-13066]
- > Deleting playlist elements crashes IPD software [IPD-13069]
- > ABRoll counters freeze when adding a clip in the playlist [IPD-13073]
- > Apostrophe in AD Group Name causes IPDirector to Crash [IPD-13077]
- > Incorrect profile integrated in the Logsheet with Melt Creation [IPD-13082]
- > IPD Freeze when adding 250 files in it [IPD-13083]
- > Playlist corrupted, the Playlist trimmed do not match anymore the Playlist in Multicam [IPD-13089]
- > Focus problem in ABRoll after integration dli IPD-13073 [IPD-13096]
- > When changing workgroup sometime IPD keeps information from previous Database linked [IPD-13099]

KNOWN ISSUES



Important: No critical known bugs since IPDirector version 8.0

LIMITATIONS

NEARLINE STORAGES

The nearline management in IPDirector can use FileSystemWatcher events to be aware of a file creation, update or deletion on the storage system. But these FileSystemWatcher events are not supported by all storage Operating Systems.

- > A FileSystemWatcher client is available at EVS to test the events compatibility of the nearline storage. If you are not sure of the storage configuration it is better to proceed to a test with the test client.



Note: Refer to the application note *Application_Note_Nearline_config.pdf* for more information.

NUMBER OF ELEMENTS IN PLAYLIST

A limit of 1000 elements in a Playlist (online, offline) has been introduced for performance reasons.

IPWEB

IPWeb is only released with a maximum of 200 concurrent accesses.

IPDirector can only support up to 200 concurrent API accesses, so if other modules or external softwares also uses some API connections, the number of concurrent IPWeb accesses that the IPDirector can support will be reduced accordingly

When using IPWeb with its internal storage it is strongly recommended to disable the clip & logs association.

If the Lo-Res stored on the streaming server has to be read by IPDirector or IPBrowse the number of concurrent access might be limited by the 1gb network port.



Note: For more information on IPWeb and its limitations please refer to the IPWeb release note.

ARCHIVE

- > This module does not include DAM (Deep Archive Manager) functionalities such as Archive/Restore Queue Prioritization and Approval of Archive/Restore requests.
- > Partial restore is available only if the codec is supported by the HSM.
- > The Archive module keeps in the Live PAM database the information of files that have been archived and their associated metadata. Only archived files referenced in Live PAM database can be restored on the Live PAM setup. Therefore:
 - > If the reference to the asset is deleted from Live PAM database, the archivist can't use the archive module to restore the files to the Nearline;
 - > It is not possible to trigger a restore of a file that has been archived from another Live PAM workgroup or a third-party system. Any restore process must be trigger from the workgroup where the archive operation has been performed.
- > The metadata are not archived with the files. At the restore, the module regenerates an xml companion file based on the information saved in Live PAM database. If the metadata are removed from the database, metadata are lost.
- > The archive module does not support multiple tape group.
- > 4K workflow are not supported with Archive module and IP2Archive.

API INTEGRATION



Note: Refer to *IPDirector_API_Evolution_8.06.pdf* document

DIRECTOR'S CUT

- > The primary TC of all the recorders selected during Director's Cut configuration must be set to LTC.
- > The production name is limited to 50 characters.
- > In the Autaname setting, it is mandatory to define at least one variable which is specific to each clip.
- > The clips (takes) created on the EVS video servers by Director's Cut have guardbands IN.
- > The EDL generated by Director's Cut cannot be used in Xedio Clean Edit.
- > When an EDL generated by Director's Cut is imported in Avid Standalone, the metadata of the edit are not displayed at the Edit level but only at the Media level.
- > When an EDL generated by Director's Cut is imported in Avid Interplay, the multicamera group and media are not automatically imported with the edit. The user must import them separately
- > Snell Kahuna & Kahuna360 switchers are not validated

USING IP BROWSE/IP CLIP LOGGER ON AN IPDIRECTOR WORKSTATION

- > **Workstations with IPBrowse/ClipLogger and IPDirector:** it is permitted to run IPDirector in parallel with IPBrowse/IPClipLogger but there is one limitation: Software player cannot be started in IPDirector. It is forbidden to run both IPBrowse and IPClipLogger at the same time on the same machine.

BIN MANAGEMENT

- > Appearance/disappearance of clip elements is not considered as an update of a clip → bin rules are not run when adding/deleting a clip element to a clip.
- > Maximum 20 bin rules at a time on an IPDirector installation.

NEARLINE/SOFTWARE PLAYER

- > Not possible for a timecode restripe of nearline files.
- > IPDirector does not support the fact that a file can be overwritten from Windows. For example, if a video file is overwritten by another one with the same name from the windows explorer, some side effects will be seen in the IPDirector (bad TC, bad metadata, ...).
- > Don't define a sub-directory to be managed by the IPDirector if a parent directory of this sub-directory is already managed, otherwise the nearline management of this sub-directory will not work properly.
- > A directory cannot be managed by 2 IPDirector workgroups in master mode at the same time. Only one master nearline is supported, the other nearlines must be in slave mode.
- > If the user wants to copy files to an XFile drive, it's much faster to do it from the "media files" view because it does a windows copy rather than a file re-wrap.

METADATA

- > Predefined values in user fields (type combo) are not pushed in the keyword list.

PLAYLIST

- > Post-Roll : The post-roll mode is not synchronised between multicam and IPD. The post-roll mode will be lost (changed) if the channel configuration is changed (i.e : passing from pgm/prv to 1 pgm mode will reset the post-roll information).
- > Jump On Time: Online Playlists are limited to maximum 50 triggers 'Jump On Time'.

GANGED CHANNELS

- > Synchronized channels: boundaries side effects not managed. If clip or train boundaries are not equal on the different synced players, this will lead to desynchronise if one boundary is reached on one of the players. Always be sure that you work with local trains otherwise you'll get a 3 seconds delay while in E/E
- > Sometimes, it is possible to de-synchronize the channels (possibly using the jog wheel on the shuttle pro). If this happens, it is very easy to re-sync the channels hitting the "pause" button on the shuttle pro.

RESTART PROCEDURE OF YOUR SETUP

- > In case the system (IPDirector and servers) are shutdown, the IPDirector system must be restarted first, then the servers. If this order is not followed, the playlist elements might appear as "offline" in the playlist even if they are online. Restart the master synchroDB service if this should happen to solve the problem

COMPATIBILITY

SOFTWARE

OPERATING SYSTEM

From IPDirector 8.0, OS compatibility are:

- > Windows 10 LTSB 2016
- > Windows 10 LTSC 2019



Note: Please check *IPD_hdw_os_compatibility_8.06.pdf* to check if your hardware compatibility regarding windows versions.

SQL SERVER

From IPDirector 8.0, the SQL compatibilities are:

- > SQL Server 2016 (Standard and Express)
- > SQL Server 2019 (Standard and Express)



Note: Please check *IPD_hdw_os_compatibility_8.06.pdf* to verify your hardware compatibility regarding SQL Server versions.

HARDWARE

IPDirector 7.92 version is the first IPDirector version compatible with following PMA hardware (PMA 1U and 2U – HP and UP).

- > PMA1-6S
- > PMA2-6S

The RS and AVH functions are available through hardware options on the PMA 2U.

The RS and AVH functions are not available on the PMA 1U (no place in chassis). This model allows hardware backend evolution from IPDirector to IPD-VIA.



Note: Please refer to the *IPD_hdw_os_compatibility_8.06.pdf* for hardware compatibility information.

More information on the Product “End of Life” available on the EVS Documentation Portal - <https://docs.evs.com/>

PMA 6TH GEN. (H12) HARDWARE

From IPDirector 7.92 version PMA compatibility (PMA 1U and 2U – HP and UP).

- > PMA1-6501S (no RS and no AVH possible)
- > PMA1-6801S (no RS and no AVH possible)
- > PMA2-6501S
- > PMA2-6801S

The RS and AVH functions are available through hardware options on the PMA 2U.

The RS and AVH functions are not available on the PMA 1U (no place in chassis). This model allows hardware backend evolution from IPDirector to IPD-VIA.

Please refer to the *IPD_hdw_os_compatibility_8.06.pdf* for hardware compatibility information.

IPD1-5100S 1U HARDWARE

The IPDirector hardware 1U IPD1-5100S (replacing the IPD1-3S) is available in two configurations:

- > A first one with AVH (RS & Video input) – IPD1-5100S-AVH.
- > A second one with RS422 (RS only) – IPD1-5100S-RS

The "IPD1-5100S-RS" hardware is delivered with "4 x RS422 DB9 ports" - No AVH card provided

This hardware allows "Server Management" but SD-SDI Video/Audio monitoring and CVBS down conversion are not provided.

When workflow requires SDI I/O (like for IPEdit or SDI confidence monitoring) an IPDirector 1U "IPD1-5100S-AVH" or IPDirector 2U "IPD2-6501S" should be used.

IP EDIT & XT/XS4K

There is no SD-SDI output on the XT4K and XS4K. Only HD-SDI is available.

The AVH card being only compatible SD-SDI, a down-converter HD to SD-SDI has to be used to be able to have the SD signal as input of the AVH card.

NON-EVS HARDWARE

- > With the generalisation of virtualized setup and move to software model, some IPDirector workflows can be run on standard hardware (non-EVS). Note, some IPDirector functions still require to be run on EVS hardware.



Note: Refer to the application note *Application_Note_PC_Hardware_7_91.pdf*

USE OF IP DRIVE

IPDirector can be used to browse nearline footage including removable hard drives connected to a workstation (XFile, XStore, ...). When using external drives, be sure only one access to these drives are made at one time otherwise the bandwidth performances will be very poor (i.e recording and browsing on such drives at the same time, or browsing and restoring at the same time).

SUPPORTED STORAGES



Note: Refer to the application note *Application_Note_Nearline_config_8.0.pdf* for more information.

JUMBO FRAMES

It will not be allowed anymore to have a mixed configuration with workstations configured in jumbo frame and others configured in non jumbo frame. Such a configuration will not work in IPDirector 6.2 or above.

If in your setup you have IPDirector or IP Browse workstations which cannot be connected in jumbo frame, all your setup should be configured in non jumbo frame including the ones which need to access the XT series servers via the gigE connection (typically to browse XT content from the software player).

For an IPDirector/IP Browse configured in non-jumbo frame :

In hi-res browsing, when accessing an XT series server :

- > No difference will be encountered with just 1 workstation browsing the same XT
- > A little lag will be encountered when 2 workstations are browsing the same XT



- > A visible lag (with freeze) will be encountered with more than 2 workstations browsing the same XT

XTAccess workstations still need to be connected to the server in jumbo frames in order to have the best performances when backing up/restoring.

TOOLS

LIST OF PLUGINS PROVIDED



Note: Refer to the document *Application_Note_RL_Plugins_7.70.pdf* for more information on these plugins.

WEB MONITORING PAGES

The IPDirector is provided with web interfaces dedicated to monitor your setup:



Note: Refer to the web toolkit application note *Application_Note_Web_Toolkit_7.20.pdf*

SQL DB TOOLKIT

This is installed on all IPDirector DB hardware. It links to the different DB maintenance and monitoring tools.



Note: Refer to the SQL application notes *Application_Note_SQL_21.11.0.zip*

IPDIRECTOR STATION CLEANER

This tool cleans up all references to IPDirector from a workstation.

APPLICATION NOTES

- > Minimum requirements to install IPDirector OVA on non-EVS hardware (General EVS Document)
 - > *EVS Global Guidelines for Products virtualization.pdf*
- > Prerequisites to install an IPDirector or IP Browse browsing station
 - > *Application_Note_Browsing_Prerequisites_7.40.pdf*
- > Minimum PC requirements to install IP Browse on non-EVS workstations
 - > *Application_Note_PC_Hardware_7.91.pdf*
- > IPDirector nearline
 - > *Application_Note_Nearline_Config_8.0.pdf*
- > BePlay upgrade/downgrade
 - > *Application_Note_BePlay_Firmware_7.10.pdf*
- > Database redundancy and maintenance
 - > *Application_Note_SQL_Maintenance_7.30.pdf*
 - > *Application_Note_SQL_Mirroring_7.30.pdf*
 - > *Application_Note_SQL_Alerting_6.55.pdf*
- > DNS Server installation and configuration
 - > *Application_Note_DNS_Configuration_7.30.pdf*
- > IPDirector monitoring tool (from remote installer) – refer also to IPDirector Technical Reference document
 - > *Application_Note_Monitoring_6.0.pdf*
- > IPDirector & Windows Integration
 - > *Application_Note_Windows_Integration_6.4.pdf*
- > Time synchronisation between workstations using windows time service
 - > *Application_Note_Time_sync_7.30.pdf*
- > IPDirector Thesaurus Search
 - > *Application_Note_Thesaurus_Search_6.55.pdf*



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