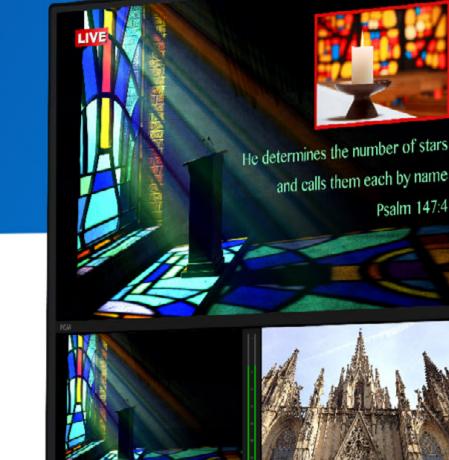
**NEWS EDUCATION CONFERENCES E-SPORTS RADIO STATIONS CHURCHES** 





**IDEAL FOR:** 



# MADE 4 THE BRAVE NEW WORLD

ALL-IN-ONE LIVE PRODUCTION STREAMING STUDIO FOR IP/NDI SOURCES









# IP/NDI REMOTE LIVE PRODUCTION



## **FEATURES OVERVIEW**

- Intuitive and easy-to-use touch screen user interface
- 4x NDI / IP stream inputs
- NDI / RTMP/S / TS output
- HD-SDI / HDMI output (optional module)
- 4x Insert layers Logo / Overlay / CG / Ingest
- Cut/Crossfade/Transitions automated switching modes
- Internal CG
- External graphics with transparency over NDI
- Built-in Multi-view with a choice of 3 modes
- Built-in Audio mixer
- NDI Recording PGM
- Stream recording

- Built-in encoder for Live streaming
- Media player
- Playlists with automated pause/continue features
- NDI PTZ control
- JVC camcorder IP based CCU and Tally
- JVC smart PTZ control
- JVC camcorder IP input stream management
- AutoCut automatic camera switching after media playout
- GPIO control (X-keys)
- GPIO tally (X-keys)
- Automated Scenes manager Show automation\* • Graphics Ingest On/Off Automation

## VERSATILE **FEATURE RICH** EASY TO USE **AFFORDABLE**

- Media editing/trimming with IN/OUT points
- PIP and SPLIT Screen layouts
- True 4:4:4:4 ARGB video processing
- Popular streaming platforms integration
- Simulcasting
- CG sequence automation
- Save/Load system setting and custom defaults
- CG projects export/import
- PIP and SPLIT Screen Templates editor
- Customizable keyboard shortcut
- Local PC time display option in Time/Score CG
- RSS 2.0 automated Crawl CG data feed \*/ coming soon





# **IP/NDI REMOTE LIVE PRODUCTION WORKFLOW**



Total camera inputs4Vision mixer SW GUI features 4 live camera previeNDI input4Supported resolutions and framerates: 720p25, 72IP Stream input4720p25, 720p50, 1080p25, 1080p25, 1080p25, 1080p25, 720p20, 72NDI output - PGM1Supported resolutions and framerates: 720p50, 10SO(Ho-SDI output - PGM (HOMI included)optionalSupported resolutions and framerates: 720p50, 10Multiview output - PGM (HOMI included)0a modes available select from: PGM / Camera GridUSB audio card support (external audio mixer)•External audio mixer as a source supportMedia playback•Playback, Preview, Add to Playlist, Mute, Loop, VirPlaylists media management system•Creation of virtual playlists of media files to asserReal time camera preview, media, graphics•Preview of all sourcesSwitching / PIP 6 Split layouts•Cut, Autocut, Crossfade, Transition wipes (9), PIPAutomated Scene manager - Show automationoptionalTo be released in Q2/2020Graphics DSK - unlimited•4DSK layers with transparency: 1. CG - Character CDInternal CG with templates•Creation of editable live graphics - lower 3rds, titleNDI PCM Recording•Up to 1080p20 @ up to 10Mbps / RTMP/S or TS (HSimulcasting•Up to 1080p20 @ up to 10Mbps / RTMP/S or TS (HSimultasting•Streaming up to 5 simultaneous destinationsAudiomiker•Integrated, full featured audio mixer with monitorSupported Noll PTZ control•Integrated, full feat	FEATURE	STATUS	DESCRIPTION
IP Stream input       4       720p25, 720p50, 1080p25, 1080p50 in H264+AAC,         External graphics input with transparency over NDI       1       Supported resolutions and framerates: 720p25, 72         NDI output - PGM       1       Supported resolutions and framerates: 720p50, 10         3C/HD-SDI output - PGM (HDMI included)       optional       Supported resolutions and framerates: 720p50, 10         Multiview output (GPU based HDMI or DP)       3       modes available select from: PGM / Camera Grid         USB audio card support (external audio mixer)       •       External audio mixer as a source support         Media playback       Playback, Preview, Add to Playlist, Mute, Loop, Vi         Playlists media management system       •       Creation of virtual playlists of media files to asser         Real time camera preview, media, graphics       •       Preview of all sources         Switching / PIP & Split layouts       •       Cut, Autocut, Crossfade, Transition wipes (9), PIP         Automated Scene manager - Show automation       optional       To be released in Q2/2020         Graphics DSK - unlimited       •       4 DSK layers with transparency: 1. CG - Character CD         Internal CG with templates       •       Creation of editable live graphics - lower 3rds, title         NDI PDK Recording       •       720p50, 1080p25, 1080p50 - identical to Live 3/2         Live st	Total camera inputs - vision mixer	4	Vision mixer SW GUI features 4 live camera previe
External graphics input with transparency over NDI1Supported resolutions and framerates: 720p25, 72NDI output - PGM1Supported resolutions and framerates: 720p50, 103G/HD-SDI output - PGM (HDMI included)optionalSupported resolutions and framerates: 720p50, 10Multiview output (GPU based HDMI or DP)•3 modes available select from: PGM / Camera GridUSB audio card support (external audio mixer)•External audio mixer as a source supportMedia playback•Playback, Preview, Add to Playlist, Mute, Loop, ViPlaylists media management system•Creation of virtual playlists of media files to asserReal time camera preview, media, graphics•Preview of all sourcesSwitching / Ming / PIP & Spilt layouts•Cut, Autocut, Crossfade, Transition wipes (9), PIP-Automated Scene manager - Show automationoptionalTo be released in Q2/2020Graphics DSK - unlimited•4 DSK layers with transparency: 1. CG - Character CIInternal CG with templates•Creation of editable live graphics - lower 3rds, titleNDI PCM Recording•220p50, 1080p25, 1080p50 - identical to NDI OutpPGM stream recording•Up to 1080p50@ up to 10Mbps / RTMP/S or TS (HNDI PTZ control•NDI PTZ camera control over IP - Motion with pressJVC IP based CCU and Tally•JVC camcorders remote control over IP - Tally lightJVC Camcorder IP input stream management•JVC camcorders remote control over IP - Tally lightJVC Camcorder IP input stream management•JVC camcorders remote	NDI input	4	Supported resolutions and framerates: 720p25, 72
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JVC Smart PTZ ControlIVC PTZ camera control over IP - Motion with pressJVC IP based CCU and TallyIVC camcorders remote control over IP - Tally lightJVC camcorder IP input stream managementJVC camcorders remote control over IP - ResolutionGPIO controlIVC camcorders remote control over IP - ResolutionGruppical controlIVC camcorders remote control over IP - ResolutionGruppical AccessoriesIVC camcorders remote control over IP - ResolutionForm FactorIVC camcorders remote control coded keyboardImmensions without handlesIVC camcordersImmensions without handlesIVC camcordersImmensions VICC CamcordersIVC camcordersIVC camcordersIVC camcordersIVC camcordersI	Supported Media Playback Formats	•	mp4, m4v, wmv, mpg, mpeg, ts, avi, flv
JVC IP based CCU and Tally•JVC camcorders remote control over IP - Tally lightJVC camcorder IP input stream management•JVC camcorders remote control over IP - ResolutionGPIO control•2 customisable GPIO controls with user defined paraSettings Save and load•Ability to save / load system settings to create vanPIP/SPLIT Screen templates editor•Utility application to customize the provided defanceCrawl CG automated RSS 2.0 data feed•Support for automated RSS 2.0 data feed to createOptional Accessories-Streamstar dedicated and colour coded keyboardForm Factor-2RU rackDimensions without handles-(DxWxH) 457.2 x 430 x 88.1 (mm)	NDI PTZ control	•	NDI PTZ camera control over NDI based on provide
JVC camcorder IP input stream management•JVC camcorders remote control over IP - ResolutionGPIO control•2 customisable GPIO controls with user defined paraSettings Save and load•Ability to save / load system settings to create varPIP/SPLIT Screen templates editor•Utility application to customize the provided defarCrawl CG automated RSS 2.0 data feed•Support for automated RSS 2.0 data feed to creatOptional Accessories-Streamstar dedicated and colour coded keyboardForm Factor-2RU rackDimensions without handles-(DxWxH) 457.2 x 430 x 88.1 (mm)	JVC Smart PTZ Control	•	JVC PTZ camera control over IP - Motion with pres
GPIO control•2 customisable GPIO controls with user defined partSettings Save and load•Ability to save / load system settings to create valPIP/SPLIT Screen templates editor•Utility application to customize the provided defarCrawl CG automated RSS 2.0 data feed•Support for automated RSS 2.0 data feed to creatOptional Accessories-Streamstar dedicated and colour coded keyboardForm Factor-2RU rackDimensions without handles-(DxWxH) 457.2 x 430 x 88.1 (mm)	JVC IP based CCU and Tally	•	JVC camcorders remote control over IP - Tally light
Settings Save and load•Ability to save / load system settings to create valPIP/SPLIT Screen templates editor•Utility application to customize the provided defaCrawl CG automated RSS 2.0 data feed•Support for automated RSS 2.0 data feed to createOptional Accessories-Streamstar dedicated and colour coded keyboardForm Factor-2RU rackDimensions without handles-(DxWxH) 457.2 x 430 x 88.1 (mm)	JVC camcorder IP input stream management	•	JVC camcorders remote control over IP - Resolutio
PIP/SPLIT Screen templates editor       •       Utility application to customize the provided defa         Crawl CG automated RSS 2.0 data feed       •       Support for automated RSS 2.0 data feed to creat         Optional Accessories       -       Streamstar dedicated and colour coded keyboard         Form Factor       -       2RU rack         Dimensions without handles       -       (DxWxH) 457.2 x 430 x 88.1 (mm)	GPIO control	•	2 customisable GPIO controls with user defined pa
Crawl CG automated RSS 2.0 data feed       •       Support for automated RSS 2.0 data feed to creat         Optional Accessories       -       Streamstar dedicated and colour coded keyboard         Form Factor       -       2RU rack         Dimensions without handles       -       (DxWxH) 457.2 x 430 x 88.1 (mm)	Settings Save and load	•	Ability to save / load system settings to create va
Optional Accessories-Streamstar dedicated and colour coded keyboardForm Factor-2RU rackDimensions without handles-(DxWxH) 457.2 x 430 x 88.1 (mm)	PIP/SPLIT Screen templates editor	•	Utility application to customize the provided defa
Form Factor     -     2RU rack       Dimensions without handles     -     (DxWxH) 457.2 x 430 x 88.1 (mm)	Crawl CG automated RSS 2.0 data feed	•	Support for automated RSS 2.0 data feed to creat
Dimensions without handles - (DxWxH) 457.2 x 430 x 88.1 (mm)	Optional Accessories	-	Streamstar dedicated and colour coded keyboard
	Form Factor	-	2RU rack
Packing dimensions and weight - (DxWxH) 600 x 580 x 220 (mm) / Weight: 15kg	Dimensions without handles	-	(DxWxH) 457.2 x 430 x 88.1 (mm)
	Packing dimensions and weight	-	(DxWxH) 600 x 580 x 220 (mm) / Weight: 15kg

view monitors that function as switches for touch-screen switching operation

720p50, 1080p25, 1080i50, 1080p50

C, 10 Mbps max bitrate per input, supported protocols: RTSP, MPEG-TS, UDP, RTMP PULL, HLS PULL

720p50, 1080p25, 1080p50

1080p25, 1080p50

, 1080i50, 1080p50

rid / PGM + Camera Grid combined

/irtual in/out points trim

emle blocks of content to be used in PGM with playback, loop, audio mute, automatic pause / continue functionality when switched

P & SPLIT SCREEN templates (9) editable

Generator | 2. OVERLAYS - flv, mov, png | 3. LOGO (Bug) - flv, mov, png | 4. INGEST - External graphics ingest over NDI

les, crawls or timers with dynamic data controls based on supplied templates or user graphics

tput setting

e Streaming setting

(H.264 + AAC)

coring, audio follow video,audio delay setup, muting, peaking...

ded features availability and depending on the NDI standard

esets, Zoom with presets, Camera Groups with presets, Tally, Auto/Manual modes, Recording, Iris, Gain, Shutter, WB, Zero Config automatic setup

nt, Recording On/Off, Auto/Manual modes, Iris, Gain, Shutter, WB settings, Zero Config automatic setup and network discovery

ion, Bitrate, IP video stream destination setup

parameters to trigger external devices and/or actions

various custom configurations and specify default settings for system startup

fault PIP/SPLIT Screen templates and to save/load custom configurations for the Streamstar SW

ate text crawls with the internal CG module



