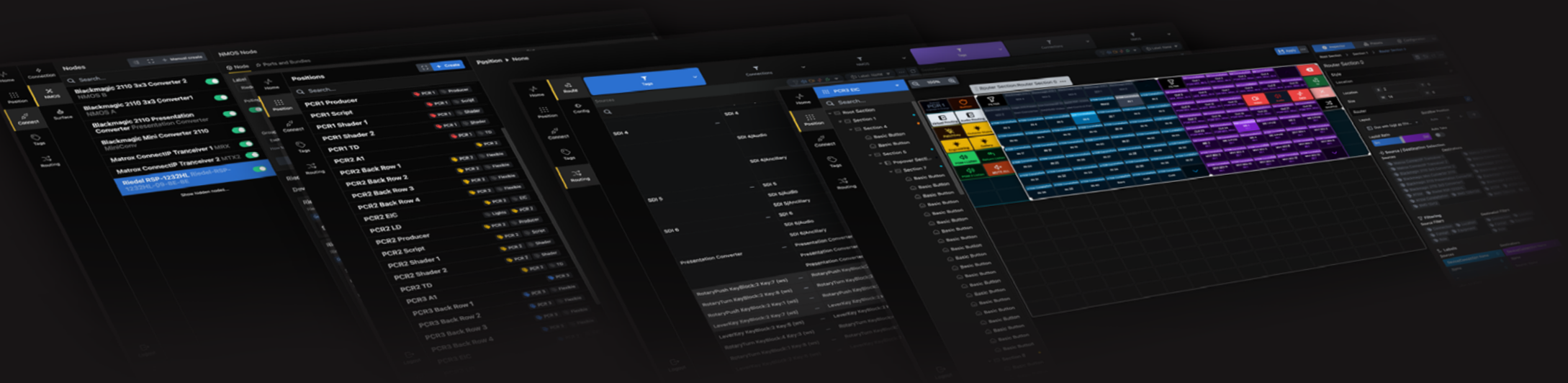




Buttons



Unified Control & Monitoring System

→ bitfocus.io/buttons

Buttons

Control & Monitoring System

V1.0 Product Sheet
Revision 1

Bitfocus Buttons revolutionizes control system management by simplifying complex workflows across AV, broadcast, live production, and installation environments. Designed to integrate seamlessly with over 700 professional industry-leading hardware and software solutions, Buttons empowers professionals with intuitive and scalable control solutions that adapt effortlessly to your evolving operational needs.

♦ **Intuitive User Experience**

Effortlessly control complex setups without extensive training.

♦ **Scalable and Secure**

Manage multiple operators, desks, and installations with PIN & RFID authentication.

♦ **Cross-Vendor Compatibility**

Seamless integration with AV, broadcast, installations, and beyond.

♦ **IP Workflow Ready**

Native support for NMOS control (ST 2110 and IPMX routing)

Tired of Fragmented Control?

Managing diverse equipment across broadcast, AV, and installed environments is increasingly complex. Budget pressures demand maximizing efficiency and resource utilization, while technology evolves rapidly, risking costly hardware obsolescence. Traditional, proprietary control systems often create silos, limit flexibility, and lock you into specific vendors, hindering innovation and operational agility.

At Bitfocus, we believe in moving forward. Born from the production floor, we champion collaboration and open standards over closed ecosystems. Building on the success of the widely adopted open-source Companion project, Bitfocus Buttons is our next-generation control software, engineered for the demanding requirements of modern, complex productions – whether in a broadcast studio, an AV-equipped boardroom, a live event venue, or a multi-campus installation.

Buttons isn't just another Broadcast Control System; it's a Unified Control System designed for the convergence of technologies. Seamlessly route SDI, NMOS / ST 2110, IPMX, NDI, and control equipment and software across all your operations. Break down the barriers between broadcast, pro-AV, and IT infrastructure with a single, powerful software layer.

Trusted globally by thousands of operators across live broadcast, houses of worship, town halls, college football and corporate events.

Applications

Broadcast Galleries

Streamline control of audio mixers, graphics, routing & intercoms for news, sports & live shows.

Master Control (MCR)

Control playout, routing (SDI/IP/2110), monitoring and failover control for reliable 24/7 transmission for TV & Radio.

Corporate Events

Manage presentations, video playback, lighting, audio & cameras for impactful town halls, conferences & webcasts.

Live Performance & Worship

Control lighting consoles, media servers, audio systems & projection for concerts, theatre & house of worship services.

Installed AV Spaces

Control of displays, VC systems, audio routing & environmental settings in boardrooms, courtrooms & training rooms.

Education

Simplify technology management for classrooms, lecture halls, auditoriums & campus-wide communication systems.

Remote Production (REMI)

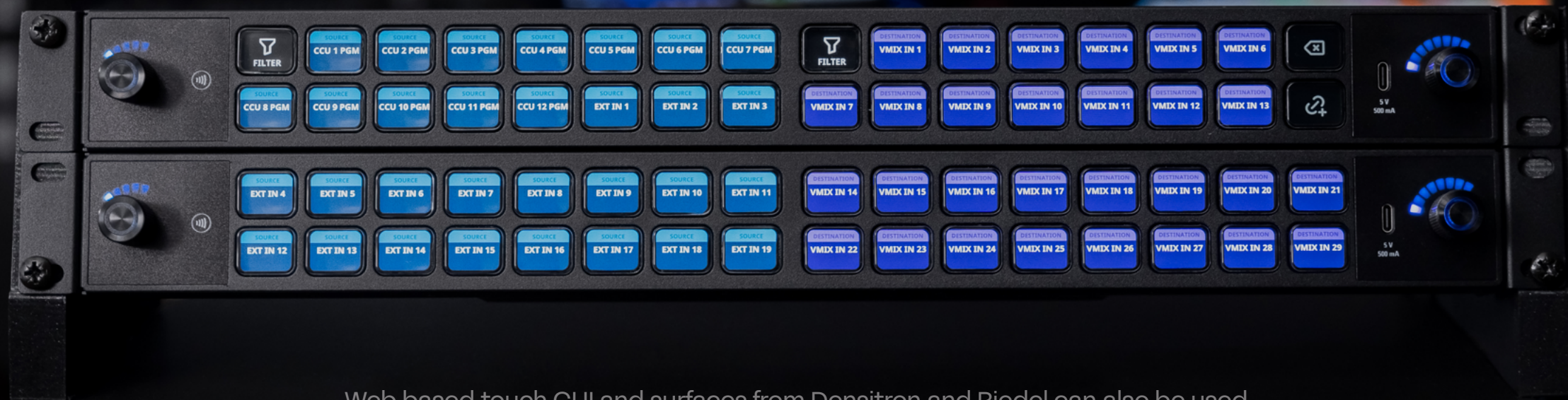
Efficiently manage cameras, encoders, routing & communications between remote sites & central control rooms.

Digital Signage & Display

Control content playback, scheduling & device power for billboards, video walls & public information displays.

→ bitfocus.io/applications

Optimized for Stream Deck Studio



Web based touch GUI and surfaces from Densitron and Riedel can also be used

Position / Operator 1

Position / Operator 2

Position / Operator 3



Buttons Server



PoE+ Switch



ATEM



VideoHub



vMix



700+ other
connections

see next page

We control a lot

Thanks to our open source community based connection list shared with Bitfocus Companion, our support for software and hardware across the industry is constantly improving.

Art-Net, Ember+, File Reader, HTTP, MIDI, MQTT, MySQL/MariaDB, ONVIF, OSC, ICMP Ping, SMTP, SNMP Requests, SSH, SW-P-08, SW-P-02, sACN, TCP Serial Port, TCP and UDP, Wake on LAN, WebSocket

AGF - Characterworks
AI Media - Lexi Live
AI Media - iCap Portal
AJA - HELO, Ki Pro, Ki Pro Ultra, Kumo
APC - UPS
ATEN - Matrix
AVIShop - HDBaseT 8x8 4K
AVProconnect - AC-MX1616-AUHD
AVStumpfl - Pixera
AWS - Elemental Live, Elemental MediaLive
Adam Tow - MixEffect
Adder - Infinity 1000R Series, XDIP
Allen & Heath - AHM, Avantis, CQ-12T CQ-18T CQ-20B, QU16, QU24, QU32, QUSB, QUPAC, SQ5, SQ6, SQ7, dLive, ilive
Analog Way - AWJ Protocol Device LivePremier,
Alta 4K, Midra 4K, Aquilon, EKS 500, LiveCore series, Midra, Eikos2, Saphyr, Pulse2, Smart-Matrix2, QuickMatrix, QuickVu, Saphyr, Pulse2, SmartMatrix2, PLS 300, Pictural Media Server, VIO 4K, Vertige
Anomes - Millumin 2, Millumin 3, Millumin 4
ArKaos - MediaMaster Remote Player
Arri - Alexa Amira
AtlasIED - Atmosphere
Audac - MTX48/88
Audinate - Dante (Dante Domain Manager)
Audio Technica - AT-UC50, AT-UC1R, ATDM-0604, ATDM-0604a, ATDM-1012, ATND-1061, Engineered Sound Wireless, ESW
Audioström - LiveProfessor
Audiovero - Unity Intercom Client
Aver - PTZ

Avmediatools - Protimer
Avocet RT Ltd - StreamDeck Interface
Avolites - Ai, Titan
AxelTech - CG Plus, VJ Pro, XPlayout, XRadio, YouPlay
Aximmetry - Composer
Axis - PTZ Camera
BBC - Raven
BLUSTREAM - BLUSTREAM-MATRIX
BNCS via SW-P-08
BSS - Soundweb London
Barco - Clickshare, DCS 100/200, DP Projector, Encore, Event Master, Event Master XML, HDX, HDF Projector, ImagePro, MatrixPro-II, PDS, UDX Pulse Projector
Baserow - Baserow
Behringer - WING
Behringer/Midas - XR/MR, XAir, XR12, XR16, X18, XR18
Betr Production - Betr Support
Biamp - Audia Nexia
Biamp - Tesira
BirdDog - Central, Cloud, Converters, PTZ
Black Diamond Video - Phantom 800
Blackbird - HDMI Matrix
Blackbox - Boxilla
Blackmagic Design - ATEM
Blackmagic Design - Audio Monitor
Blackmagic Design - GPI and Tally Interface
Blackmagic Design - Hyperdeck
Blackmagic Design - MultiView 16/4
Blackmagic Design - SmartView SmartScope
Blackmagic Design - Teranex

Blackmagic Design - Ultimatte
Blackmagic Design - Videohub
Blackmagic Design - WebPresenter HD, Web-Presenter 4K
Boinx - mimoLive
Boxcast - API
BrightSign - Player
BroadLink - RM4 Pro
Brompton Technology - Tessera LED Processor Control
ByteHive - PlayoutBee
CTP Systems - DIO8008R, DIO8008RX
CVM Eventi - Countdown
CYP - V8H8HPA
Cable Matters - Matrix
Calrec Router via SW-P-08
Canon - CR-N300, CR-N500, CR-N700, CR-X300, CR-X500, XF605, C300 MkIII, C500 MkII, C70, XF405, XF705, C100, C200,
CasparCG - Server
Cedar - DNS 8D
ChamSys - MagicQ, QuickQ
Christie - Projector, Spyder X20/X80, Pandoras Box, Widget Designer
ChurchApps - FreeShow
ChyronHego - Lyric
Cisco - CMS Meeting Server, RoomOS
ClassX - LiveBoard
Clear Touch - IP Panel Control (Telnet)
Cockos - REAPER
Colorlight - GrandShow, U-Series, Z-Series, X-Series, V-Series, VX-Series D-Series, some S-Series

CombiTech - VidBlasterX
Crystal - SCTE104 Inserts
CyberPower - PDU
D&B Audiotechnik - DS100
DCC-EX - DCC-EX
DEXON - DIMAX, DIVIP, Matrix 4x4 & 8x8
DJ Soft - Radio BOSS
DT Videolabs - PlaybackPro Plus
Dan Dugan Sound Design - Model M, Model N
Datapath - FX4
Dataprobe - iBoot PDU
Dataton - Watchout, Watchout 7
Datavideo - DVIP, VISCA
Denon - AVR, DN-500BD MKII, DN-900R, DN-700R, DN-500R, DN-F650R, DN-F450R
Depili - Clock-8001
Devantech - DSXXX
DiGiCo - OSC support, SD, Quantum, S
Digital Loggers - Power Controller
Digital Projection - HIGHlite, Models supported by Projector Controller II
DirectOut M:1k2 via SW-P-08
Discord - API
Disguise - Multi Transport Control, OSC, SMC
Dolby - Cinema Processor
Draco - Tera KVM
Dsane - Limitizer, Perfectcue
ESPHome - API
ETC - EOS, Paradigm
ETC Audiovisual - Onlyview
EZCOO - MX44-HAS2 4x4 HDMI Matrix, MX42HS 4x2 HDMI Matrix
Eaton - ePDU

Eiki - WSP Projector
Elgato - Key Light, Ring Light
Epiphan - Pearl
Epson - Business Projectors
Evertz - EQX Router, MVP, VIP, NGI, Exhibit
Extron - DXP Matrix, IN1604, IPL T PCS4, SMP 351, SMP-111, SMX Matrix, XTP II Crosspoint 3200 Matrix
Faith Chapel - Video playback
Figure 53 - GoButton, QLab, QView
FiveM - FiveM Console
Focusrite - MP8R
For.A - Hanabi Video Switchers
For.A - MFR
Gallery - Virtual VTR
Gamma Control - GMaestro
Gefen - DVI Matrix
GetOnTime - Ontime
Glensound - Divine, Minferno
Global Cache - iTach IP2CC, iTach IP2IR, iTach IP2SL
Gnural Net - Live To Air
Google - AndroidTV, Sheets, YouTube
Govee - Lights
Grass Valley - AMP
Grass Valley Router via SW-P-08
Green Hippo - Hippotizer
GreenGO - Intercom Remote (OSC)
Guntermann&Drunk - DL-DVI-MUX4

HDTV - WolfPackGreen HDMI Matrix
Haivision - Connect DVR, KB Encoder
Here to Record - H2R Graphics
High End Systems - Hog 4
Hive - Beeblade, Beebox
Hologfx.io - Holographics
Home Assistant - Server
IBM - Watson
IC Control Media & Sport AB - Sport In The Box
ICT AG - easyVideo
IEW Solutions (aka ifelseWare) - AV-Key
IEW Solutions (aka ifelseWare) - AV-Playback
Iiyama - Prolite
Imagine Communications - Logical Router
Control
Imimot - Mitti
Inkling Performance Labs - Overlay Control
Panel
Intelix - INT-44HDX, INT-66HDX, INT-88HDX
Interactive Technologies - CueServer
Interspace Industries - CueEther, MasterCue
V7
Irisdown - Countdown Timer, Remote Show
Control
JBMIA - Projector PJLink
JOY event & media - Playdeck with Feedbacks
JVC - Camera, KZ100, PZ510
Joseph Adams - Script Launcher
Jozee Media Solutions - J-Counter
JustMacros - LUA
KenkuFM - API Controller
Kiloview - E1, E2, G1, G2, N40, N50, N60, N5, N6
Klang - App, Immersive, Konductor, Vokal,
DMI-Klang
Kramer - Matrix (Generic),VP-734, VP-747, VP-
773A, VS-41H
LEA - Amplifier
LEAD LED - Clockotron
LG - Displays
LTN - Schedule
LeafCoders - Titler
Lectrosonics - ASPEN
LegendAV - Da-Lite Screen Control Board
Leolabs - AbleSet

Leon Reucher - PowerPoint Remote VSTO
WebSocket
LibreOffice - Impress
LightShark - LS1, LS-Core
Lightware - LW2, LW3
Lima Giran Ltda. - Holyrics
Livemind - Recorder
Lofas AB - NDI Studio Clock
Logos - Proclaim
Lost Cause Photographic - ControlRoom
Lumens - Media Processor
Lumens - PTZ Camera, Box Camera, Tracking
Camera
Luminex - GigaCore, LumiNode, LumiCore
LynTec - LynTec RPC
MA Lighting - GrandMA 2, GrandMA 3, dot2
MSC, GrandMA2 MSC
MODE Lighting - eDin NPU
MOTU - AVB
MPC-HC - Media Player Classic
MSC - Router
MT VIKI - MT-HD0808 8x8 HDMI Matrix
Magewell - Director Mini, Pro Convert Decoder,
Ultra Stream
Magic Home - Bulb
MagicSoft - Recorder
Magnimage - MIG-EC90, MIG-EC80
MakeProX - Glue
Mark Roberts Motion Control - MHC
Marshall - CV355, CV420, CV420e, CV620,
CV630, CV730
Massimo-callegrari - qlcplus
Matrox - Monarch HD/HDX/LCS
Megapixel - Helios
Metus Technology - Ingest
Microsoft - GroupMe, Teams, VSCode
Middle Things - Middle Control
MiddleAtlantic - Racklink
Middleman Software - AdIT, BreakTime, SCTE
104 Proxy
Mixing Technology - TheatreMix
Modulo - Media Server
Modulo Pi - Modulo Player
Monospace - Lightkey

Monteiro - CronosDown
Monteiro - PPT-VIDEO
Moxa - e2210, e2212, e2214, e2242, e2260, e2262
Multicam Systems - Multicam Suite
Muxlab - KVM
NEC - Display
NETIO - PowerBOX
NEXO - NXAMP
NRK - Sofie Chef
NTP Technology - 635-800A, 600 Series, Penta
Series
Nanoleaf - Shapes, Aurora, Canvas, Elements
Neodarque - StageTimer2
Netgear - AV Line
Netron - EN EN-12
Neumann&Müller GmbH & Co. KG - Stageflow
Neutrik - NA-2-IO-DPRO
Nevion - MRP / Multicon
NewBlue - Captivate
NewBlue - Titler Live
NewTek - NDI Studio Monitor
Newtek - Tricaster
NoHassleAV - Matrix, HDP MXB44VW, Video
Wall Processor 4x4
Nobe - Omniscope
Nortek - Bluebolt
Notion - Timestamp
NovaStar - MxReal 3, N10, N20, D12, D32, MX40
Pro, CX80 Pro, KU20, MCTRL4K, VX4S, VX6S,
NovaPro HD, NovaPro UHD Jr, VX1000, VX600,
VX16S, J6, Splicer
Nuowaxingyun - RX6
OBS - Studio
OREI - MATRIX EXTENDER
OSEE - GoStream
Obsidian Control Systems - ONYX
Octava - Pro DSX
Octopus - App, Listener
Olzzon - NDI Controller
OpenLP - HTTP API
OpenRGB - OpenRGB
OpenSong - API
OpenWeather - Current Weather API
Opticis - OMM 1000 Matrix

Optimal Audio - Zone
Optoma - Z28S, ZH400UST
Orfast - NDI Viewer
PRSI - iPower PDU
PTZ Optics - SuperJoy
PTZoptics - VISCA
Panasonic - AV-HS50, AV-HS410, AV-UHS500,
AW-RP50, AW-RP60, AW-RP120, AW-RP150, TH-
86CQ1W, TH-75CQ1W, TH-65CQ1W, TH-55CQ1W,
TH-50CQ1W, TH-43CQ1W
Panasonic - Camera, Kairos, Lumix, PTZ Cam-
era, Projector
Panasonic - P2, CX350, HC-X2, HC-X20
Pangolin - Beyond
Pavel Smokotnin - Open Sound Meter
Peavy - NION n3, NION n6, NION nE, NION nX
Pharos - Designer Controller
Philipp C. Heckel - Ntfy
Philips - Philips Hue, SICProtocol
Pixelhue - MS3, P10, P20, F4, F4Lite, F8, Q8
Planning Center Online - Services Live
Polecam - Autopod+, Panapod
PresentationTools - Auto Presentation Switch-
er, CueTimer
Probel Router (SW-P-02)
ProtoPie - Bridge
Public-i - Connect Webcaster
Q-SYS - Remote Control, QRC, Q-Sys
RGBlink - VSP 628pro, Venus X3, mini/mini+
RØDE - RØDECaster Video (RCV)
RadioDJ - REST API
Raspberry Pi foundation - RPi GPIO
Rational Acoustics - Smaart Suite V9, Smaart
LE V9, Smaart RT V9, Smaart V8.3 - V8.5,
Smaart Di 21 and newer
Red Dot Logics - RDL-MX4k
Renewed Vision - PVP 3, ProPresenter
Resi - Decoder
Resolume - Arena
Restream - API
Riedel - Mediornet
Riedel - RRCS
Rocosoft - PTZJoy
Rogue Amoeba - Farrago

Roku - TV
Roland - M-5000, M-200i (via serial bridge),
M-300 (via serial bridge), M-380 (via serial
bridge), M-400 (via serial bridge), M-480 (via
serial bridge)
Roland - P-20HD, V-1200HD, V-160HD,
V-600UHD, V-60HD, VP-42H, VR-120HD, VR-
50HD MK II, XS-42H, XS-62S, XS-82H, XS-83H,
XS-84H
Ross Video - Caprica, NK Router, Rosstalk,
Video Server, Xpression
Rundown Studio - Rundown Studio
SGL - DCT
SKAARHOJ - Raw Panel
SW-P-08 - Lawo VSM
SW-P-08 - NVision Router
SW-P-08 - Ross Router
SW-P-08 - Snell ProBel Router
SW-P-08 - Sony Broadcast Router
Sain Smart Relay - 4CH, 8CH, 16Ch
Samsung - MD Display
Samsung - Smart TV
Seervision - Suite
Sennheiser - EM 6000, EM 6000 Dante, L 6000
Sharp - TV, PN-LE901
Shelly - Shelly 1, Shelly 2.5, Shelly Dimmer1/2,
Shelly RGBW2, Shelly Plus 1, Shelly Plus 1PM,
Shelly Plus 2PM, Shelly Pro 1, Shelly Pro 2, Shelly
Pro 2PM, Shelly Pro 3, Shelly Pro 4PM, Shelly Pro
Dual Cover PM, Shelly Plus I4
Show Cue Systems - SCS

Shure - DIS CCU, MXA910, MXA920, MXN-5, Microflex (MXW), Microflex Complete Wireless (MXCW), P300, PSM1000, SCM820, ULX-D, QLX-D, SLX-D, Axient Digital (AD)
Si Media - Yes Api Gateway
Sienna - NDI Monitor
Simon Hyde - PiClock
Singular.Live - Studio
Slack - Webhooks
Smart-AVI - MU-88, MXU-88, MXCORE
Smode - Smode Live
Snapav - Wattbox
Snell Router (SW-P-02)
Social Stream - Ninja
Softouch Development Inc - EasyWorship
Softtron - MovieRecorder, Multicam Logger,
OnTheAir Video
Songbeamer - OSC
Sononum - Horae
Sonoran - Coyote
Sonos - Speakers
Sony - Bravia
Sony - CLED Display Controller ZRCT-200
Sony - Professional Video Monitor
Sony - VISCAw
Sony - XVS 9000/8000/7000/6000, XVS-G1, MLS-X1

Sound Devices - PIXNET
Soundcraft - Ui12, Ui16, Ui24R
Soundtrack Your Brand - Remote
Spacecommz.io - SpaceCommz
Spotify - Web API and Controller
Square D - NF3500G4, NF3000G3, NF2000G3
StageTec - XDIP, NXC-T
Stagetec - XCI03
StudioCoast - vMix
Symetrix - DSP
TESMART - HDMI Matrix (multiple variants)
TP-Link - Kasa Smart (Bulb, Dimmer, Plug, Strip)
TSL Products - UMD Listener
TSL Products - UMD Protocol
TSL Products - Universal Switch Panel
TVOne - Corio C2
Tally-MA - Wireless Tally
Tascam - BD-MP1, CD-400U, CD-400U
DAB, DA-6400, DA-6400dp, SS-CDR250N, SS-R250N
Tasmota - HTTP
Tech Ministry - Beacon, MIDI Relay, Spotify Controller, Tally Arbiter, TimeKeeper
Telegram - Bot
Telestream - Prism, MPI2, MPX2, MPD, MPP,

MPS
Televic - D-CERNO
Tellyo - Stream Studio
Teracom - TCW181b Relay
Teradek - Prism Flex, Prism, Prism Flex,
VidiU, VidiU X
Tesla - smart 8>1
Theatrixx - xPressCue
ThingM - Blink(I)
Tieline - Gateway, Via
TimeMachines - Clock
TinkerList - Cuez - Automator
Toggl - Track
ToolsOnAir - just:in Capture Solutions
Twitch - Twitch Chat & API
UTS - Remote Volume
Ubiquiti - Unifi, USW
Utah Scientific - BPS
VBAudio - Voicemeeter
VDO - Ninja
VDWall - LVP
VICREO - Display, Listener
VIZIO - SmartCast
VYV - Photon
Vaddio - PTZ Camera
Ventuz Technology - Director
ViStream - online

VideoLAN - VLC
Vimeo Livestream - Studio 6
Vislink - ULRX-LD
Visual Productions - B-Station, Cuety,
Timecore
Vitec - AvediaPlayer r9300, AvediaPlayer r9310, AvediaPlayer m9305, AvediaPlayer m9325, AvediaPlayer m9325 Wi-Fi
Vivitek - Projector
Voicemod - Voicemod
Web Comms - Panel
Workflow Network - LiveTime
Wyrestorm - SW-0402-MV
Xiamen SPROLINK - VD Series
Yamaha - RCP
ZEN - NDIRouter
Zerodensity - RealityHub 1.3
Zinc - OSCPoint
Zoom - OSC/ISO
Zusor - Syncerlive
[Project-Name-Here] - Soundr,
opencountdown
camstreamer - camstreamer Camera
d&b audiotechnik - 5D, 10D, 30D, 40D, D20, D40, D80
da-Share - MultiPlay 3, MultiPlay
dahua - PTZ Camera

danielnoethen - BUTT Controller
(broadcast using this tool)
eMotimo - ST4, ST4.3, SA2.6
ecam - Live
folivora.ai - BetterTouchTool (BTT)
foscam - PTZ Camera
ioversal - Vertex
linkbox - Web API and Controller
obsidiancontrol - ONYX
piXap - piXtimer Pro
sikn - kerkomroep
spx - gc
stagetimer.io - Stagetimer API
thelightingcontroller.com, Chauvet,
Showtec, Sweetlight - QuickDMX,
ShowXPress
videocom - Zoom Bridge
vizRT - Send Command Line
7thSense Design - Delta Media Server

→ bitfocus.io/connections

Contact sales@bitfocus.io or visit
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Missing anything? Let's talk!

