



Marshall Cameras Feature Integrated Zixi Support

MARSHALL DESIGNS AND BUILDS HIGH-QUALITY CAMERAS WITH INTEGRATED ZIXI VIDEO-OVER-IP HIGH PERFORMANCE DELIVERY

HIGHLIGHTS

ALL STANDARD MARSHALL CAMERA IP VERSIONS CAN BE LOADED WITH THE ZIXI FIRMWARE UPDATE

- CV355-30X-IP
- CV420-30X
- CV420-30X-IP
- CV620-BI/WH
- CV630-IP/IPW
- CV730-BK/WH
- CV730-BHN/WHN

KEY FEATURES

- Up to 30x optical zoom with extended zoom ranges from 4.6mm to 135mm
- Up to 2160p60 resolution and pristine HEVC video encoding
- Simultaneously output to 12GSDI plus up to 3 concurrent Zixi feeds over IP
- Leverage Zixi Broadcaster for low latency live transcode, real-time content quality analysis, impairment detection and more...
- Zixi Stream Bonding and Hitless Failover support enables resilient contribution backhaul over multiple ISPs including 5G, LTE and unmanaged internet.
- Simplified remote production with single cable video, audio, control, tally and PoE controls

PREMIUM QUALITY DELIVERED RELIABLY

Adopted by some of the largest broadcast, sportscast, newscast, live events, and television production companies in the world, Marshall cameras now include native support for full Zixi enabled delivery. Zixi compatibility extends to all Marshall Broadcast and Pro AV-over-IP solutions. With tight integration across the Marshall camera lineup, users can deliver live video utilizing industry best performance, interoperability, resilience and security that the Zixi Software-Defined Video Platform (SDVP) enables.

UTILIZING ZIXI TECHNOLOGY TO ENSURE ROBUST, RELIABLE, HIGH-PERFORMANCE IP BACKHAUL

Marshall has become a global source for Broadcast-quality video cameras in HD, UHD, and 4K resolutions serving a variety of workflow configurations. Whether it is Entertainment, News Reporting, Sports Coverage, Concerts, Video Collaboration, Live Events, House of Worship, Teleconference, Medical, Streaming, Courtroom, Education, Marshall Cameras deliver premium quality, ease of operation and the flexibility to drive remote productions from anywhere.

Existing Marshall Camera operators can now easily add Zixi support to their cameras, unlocking premium connectivity support and direct integration with the full suite of capabilities in the Zixi SDVP.

Zixi transport is synonymous with performance, including industry leading bandwidth efficiency driven by dynamic FEC and ARQ technology. Operations teams can flexibly deploy Zixi Broadcasters, which can ingest the Marshall Camera Zixi feed and provide real-time content quality analysis, live impairment detection, low latency processing including live transcoding and protocol conversion and more.

Zixi also enhances reliable transmission with support for bonded delivery over diverse networks such as 5G, LTE and unmanaged internet and hitless failover that reconstructs a single coherent transport stream from multiple time aligned sources.

Marshall Cameras leverage Zixi to Improve IP Network Performance, Efficiency, Security and Reliability

CONNECT CAMERA FEEDS TO THE SOFTWARE-DEFINED VIDEO PLATFORM

With integrated Zixi Protocol support, Marshall Cameras have access to the industry leading performance, efficiency, security and reliability that the SDVP enables. Zixi Broadcaster is a universal gateway that sits at the heart of the SDVP that unlocks valuable features that operations teams using Marshall Cameras now have native access to, including:

- Bonded Delivery: Combines disparate topologies including 5G, LTE, Leased Lines and Unmanaged Internet, dynamically adjusting for fluctuating bandwidth, network congestion, packet loss and latency differences
- Significantly lower egress bandwidth requirements with content aware stream optimization, lower overhead dynamic error correction and congestion aware video routing
- Sequenced hitless failover, an improvement on SMPTE 2022-7, applies Zixi optimized alignment algorithms to re-create a single coherent uninterrupted stream out of multiple stream fragments
- Content Encryption: Secure content with End-to-end strong AES-256 content encryption
- Session Security: Manage Access with Session Establishment Whitelisting & Password Protection
- Connection Validation: Confidently Delivery with Zixi Exclusive DTLS Secure Certificate Validation & Strong Cipher Protection
- Ultra-Low Latency Live Transcode, multiplexing and ABR stream packaging transforms camera feeds in flight to match target destination requirements.



ABOUT MARSHALL ELECTRONICS

For over 40 years, Marshall Electronics has been a leading worldwide provider of professional audio and video technologies for broadcast TV, enterprise AV, unified communications (UCC), studio audio production, and industrial OEM. Marshall continues to incorporate the latest technology sensors and powerful low latency video processors in a variety of camera configurations while adding easy setup, operation, and control from leading soft codecs. Our market collaboration with companies like Zixi is an extension of our commitment to ensure our users have a satisfying compatibility experience while delivering a superior level of video performance.

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ABOUT ZIXI

Zixi provides a cloud based and on-premise Software-Defined Video Platform that enables reliable broadcast-quality video delivery over any IP network, any protocol, any cloud provider and any edge device. Over 10+ years, the Zixi Enabled Network (ZEN) of partners has grown to over 200 OEM and service providers with whom Zixi serves well over 700 customers representing most of the top media brands around the world with 10,000+ channels delivered daily.

www.zixi.com | sales@zixi.com