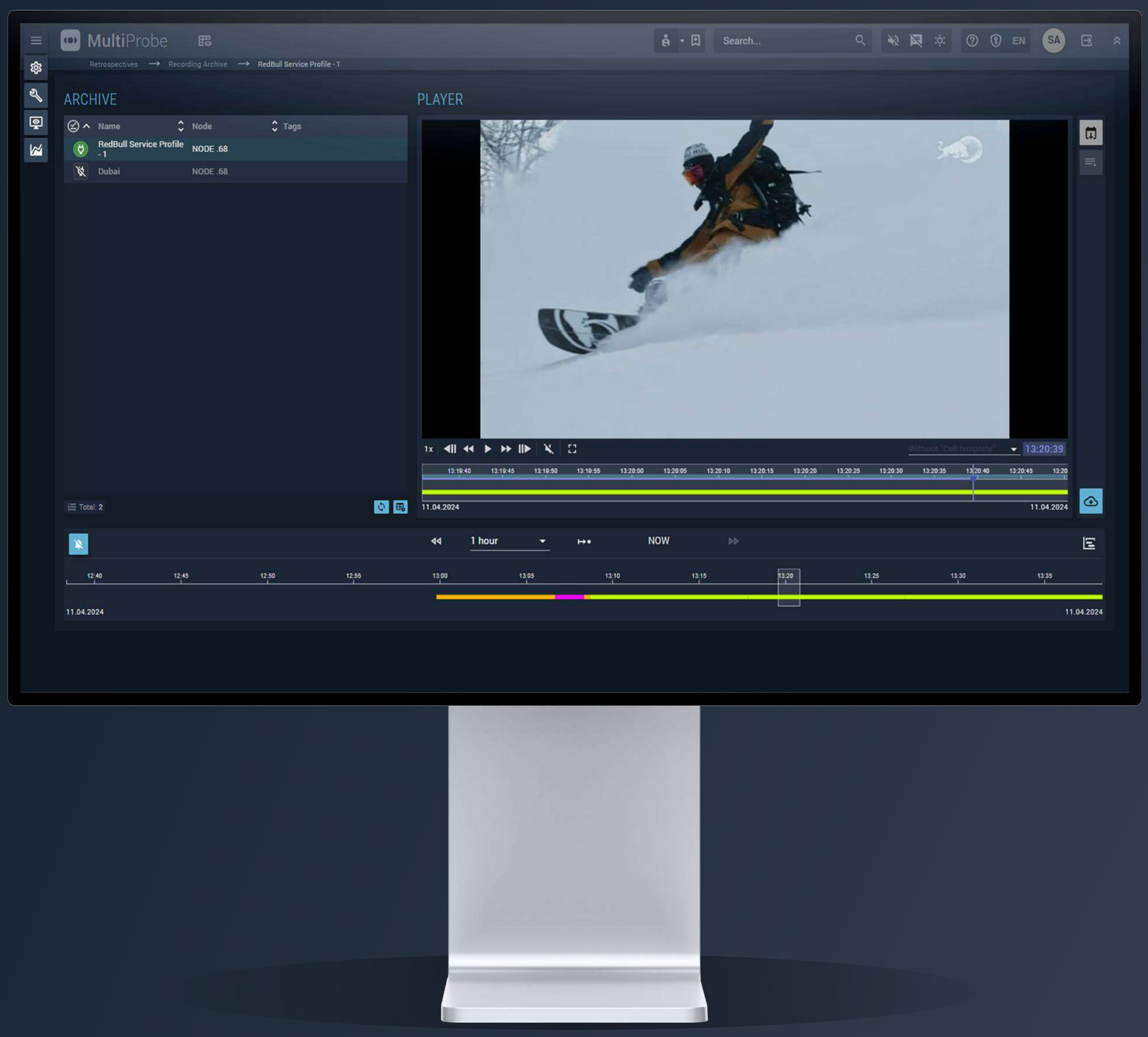
STREAM LABS | workflow mastery



MultiProbe Rec

Automatically record and archive source streams based on user defined settings & threshold triggered events.

Multi-channel

Multiple formats

ST 2022-6, ST 2110, SRT, UDP/RTP

Web UI

The exponential growth of digital media and transition to IP technology has spurred a heightened demand for robust recording solutions capable of navigating the complexities of hybrid formats and mixed environments.

This transition has had profound implications for the broadcast industry as a whole, where traditional SDI infrastructure is being replaced by IP-based systems.

However, navigating this transition poses significant challenges for broadcasters, including the need to support traditional infrastructure while embracing new IP-based technologies.

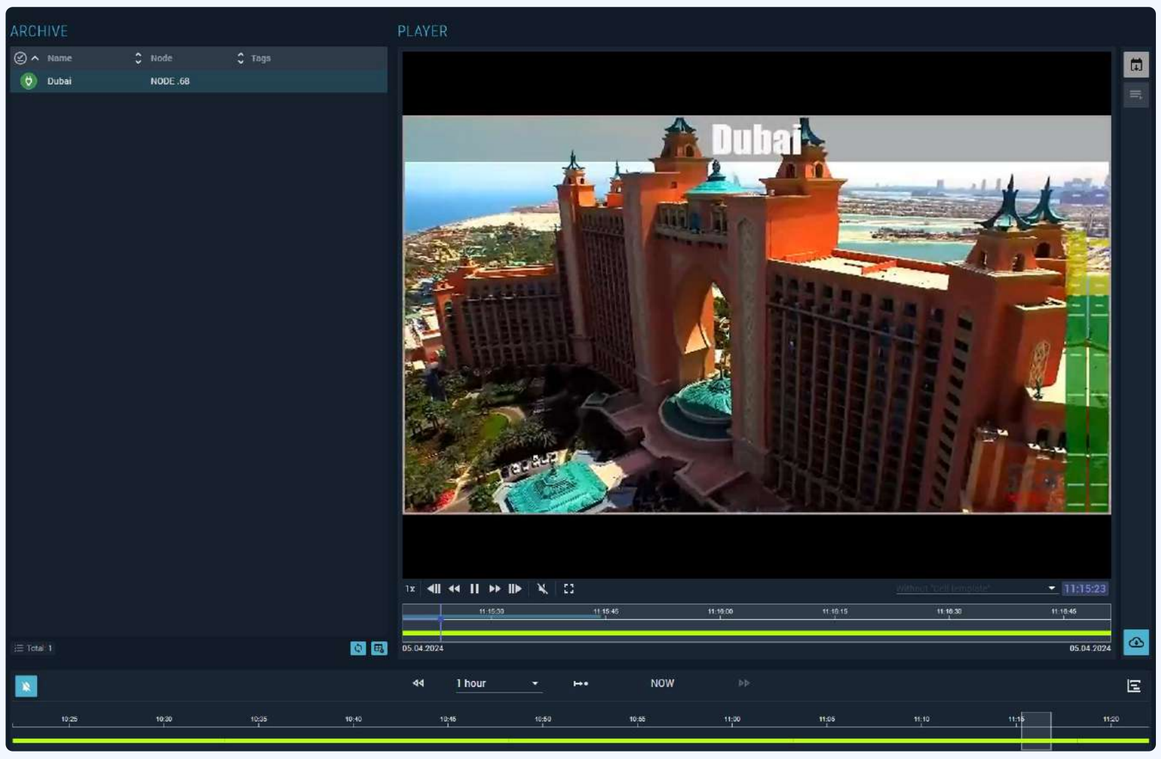
In this rapidly evolving landscape, broadcasters require versatile platforms that can adapt to their evolving requirements while maintaining operational efficiency of their current workflows. Broadcasters are exploring recording solutions that offer multi-channel capabilities to capture live broadcasts, comprehensive support for various video formats, and seamless integration with industry-standard protocols such as ST 2022-6, ST 2110, SRT and UDP/RTP.

MultiProbe Rec is tailored to address the challenges broadcasters face in transitioning to IP-based systems. With advanced recording capabilities and seamless integration with industry-standard protocols, MultiProbe Rec empowers broadcasters to thrive in the digital era.

Learn more about its key features and benefits in the following sections.

Key Features

- Native logging and proxy recording
- Trigger-based Recording
- Metadata Burning
- Player in the web interface
- Ability to view alarm events on the recording timeline
- Frame-by-frame playback of recorded material
- Fast forward and rewind playback
- Storage depth configuration and automatic video recording clearance
- Web user interface



Internal Player

Highlights

- Simultaneous support of various input interfaces
- Multi-channel video and audio recording
- Flexible encoder settings/presets: resolution, aspect ratio, bitrate, codec profile, codec presets
- Recording settings/presets with and without transcoding
- Fast Play
- Multiple internal/external recording storage support (NAS, SAN)
- Input video resolution up to 4K (SD, HD, 4K/UHD)
- Support for popular video capture cards

Benefits

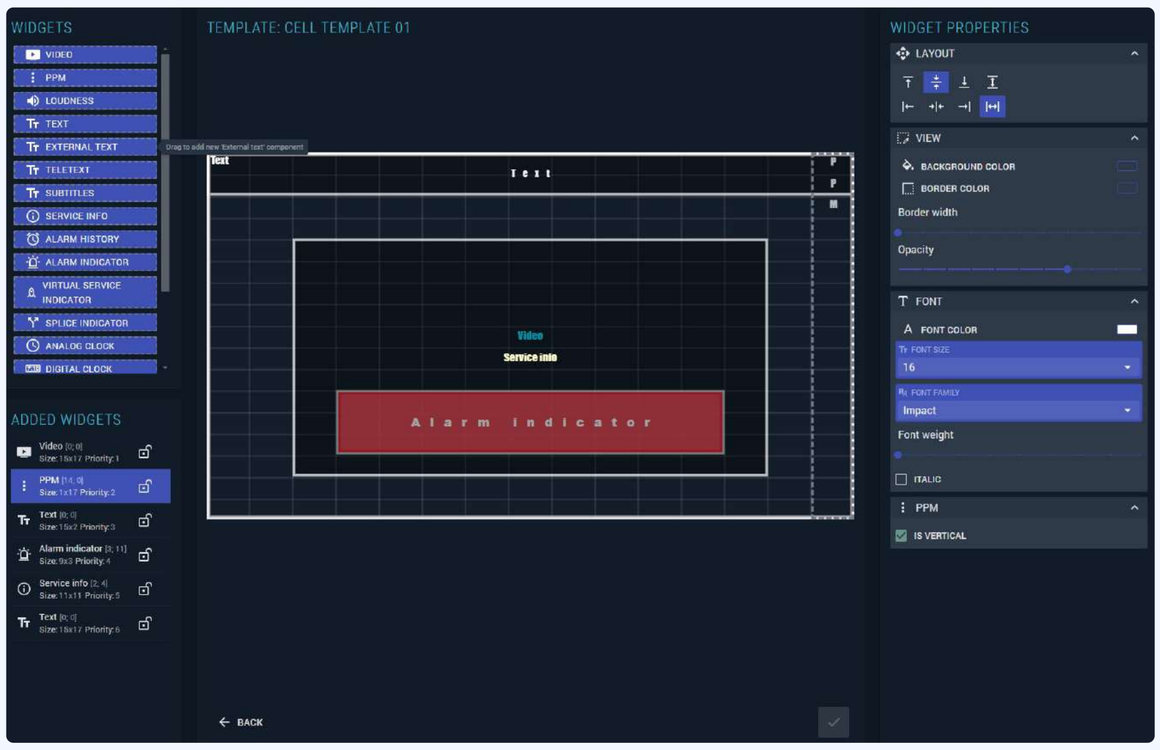
Cross-signaling: The system allows recording of various signals and protocols from all generations, ensuring comprehensive coverage and compatibility.

Scalability: Easily expand the number of supported sources at any time without significant hardware expansion, offering flexibility to adapt to evolving needs.

Highly Customizable: Users have the freedom to create and modify transcoding settings and archive storage depth according to their specific requirements. Customize recordings to include timecodes, teletext, subtitles, alarm events, or any other metadata tailored to your needs.

Pre-configured Templates: The system comes with pre-configured recording presets designed to meet the most common compliance requirements. Utilize ready-made presets or create your own for a tailored experience, ensuring every detail is accounted for.

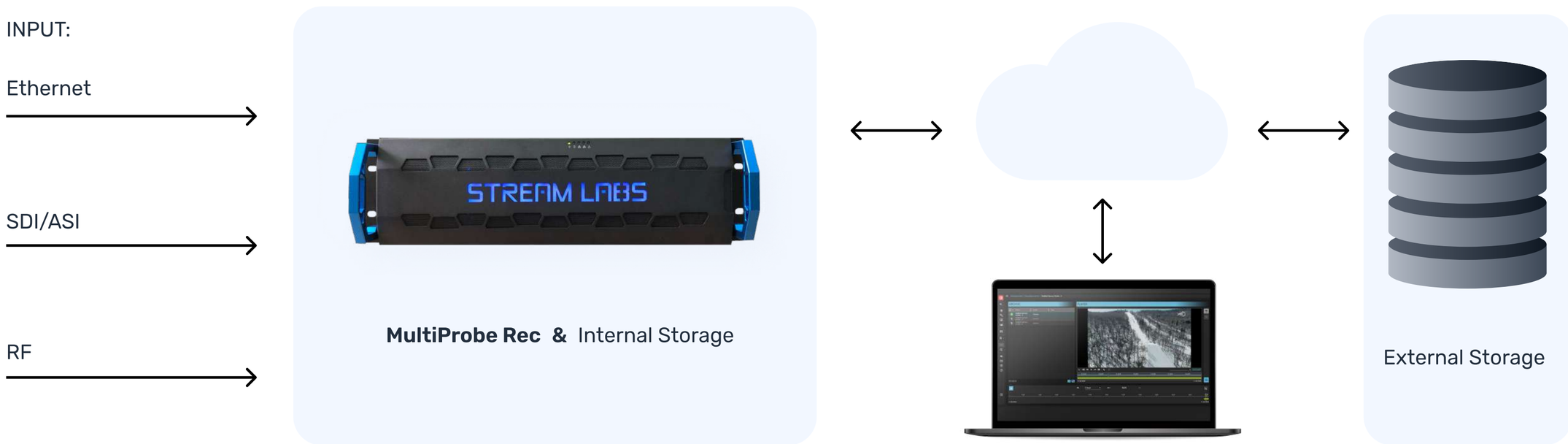
Cloud Readiness: The system can be deployed not only on hardware infrastructure but also on private and public cloud storage solutions, offering flexibility in deployment options to suit your infrastructure preferences.



Flexible cell editor

Architecture

Inputs: Ethernet, SDI/ASI card and tuner card
OS: Windows Server 2019 and 2022 or Windows 10 and 11
Recording software: MultiProbe Rec
Storage: internal/external storage (RAID, NAS)



Specifications

Supported interfaces

- SD-SDI (SMPTE-259M, 10 bit, 270 Mbit/s)
- HD-SDI (SMPTE-292M, 10 bit, 1,5 Gbit/s)
- 3G-SDI (SMPTE-424M, 10 bit, 3 Gbit/s)
- 12G UHD-SDI (SMPTE ST-2082, 12 Gbit/s)
- UHD Quad-link 3G-SDI (SMPTE ST-425, 4 x 3 Gbit/s)
- HDMI
- Composite (NTSC, PAL, SECAM)
- Analog (NTSC, PAL, SECAM)
- AES/EBU (24 bit/ 192 kHz) channels
- IP/Ethernet (ETSI TS 102 034)
- DVB-ASI (ETSI EN 50083-9)
- DVB-T/T2 (ETSI EN 300 744, 302 755)
- DVB-S/S2 (ETSIEN 300 421, EN302-307, EN301-210)
- DVB-C/C2 (ETSI EN 300 429 Annex A/B/C)

Video codecs

- MPEG-1 (ISO/IEC 11172-1)
- MPEG-4.2 (ISO/IEC 14496-2)
- HEVC (H.265) до 4K
- MPEG-2 (ISO/IEC 13818-1)
- MPEG-4.10 (H.264, ISO/IEC14496-10)
- JPEG 2000

Audio codecs

- MPEG-1 Layer II (ISO 11172-3)
- AAC/ADTS/ADIF (ISO/IEC 13818-7, ISO 14496-3)
- Dolby Digital (AC-3, ATSC A.52b)
- SMPTE 302M

Media containers

- MPEG-2 TS (ISO/IEC 13818-1), MPTS or SPTS
- DVB T2-MI Streams (ETSI TR 101 290-1, A14-1)

Network and OTT broadcasting protocols

- RTMP streams (Real Time Messaging Protocol) H.264 - AAC and MP3 streams
- NDI (NewTec)
- SDI over IP (SMPTE 2022-6)
- MPEG-DASH
- HLS (HTTP Live Streaming Monitoring)
- SRT (Haivision)
- SMPTE 2110-20, 30, 40
- SMPTE 2022-7

Chroma subsampling

- YUV 4:2:0, YUV 4:2:2, YUV 4:2:2 10 bit

Color resolution

- SDR, HDR