

COMPANY STORY

Haivision

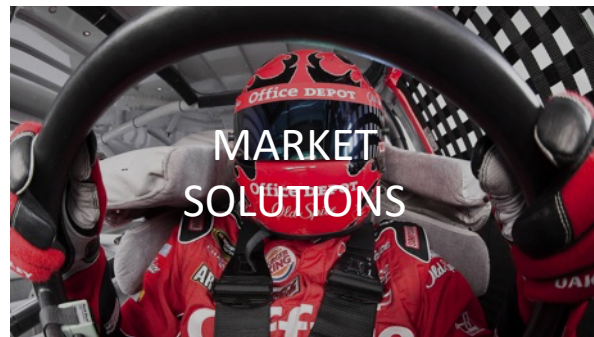




Menu



PRODUCTS



MARKET
SOLUTIONS



CUSTOMERS



SRT
SECURE
RELIABLE
TRANSPORT



Customers

BROADCAST



ENTERPRISE



FAITH





Haivision Products



Makito Series



KB Series



Kraken Series



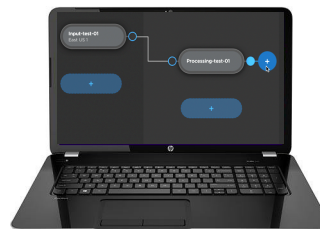
Haivision Media Gateway



Haivision Media Platform



Haivision Play



SRTHub



Streaming Services



Makito X Series



Makito X⁴



Makito X⁴ Rugged



Makito X H.264



Makito X
w/Storage



Makito X Harsh
Encoder/Decoder



Makito X HEVC
Decoder



Makito X H.264
Decoder



MB 1/2/6/21x
Chassis





Makito X⁴



GUI



4K UHD



Ultra Low Latency



High Quality
10-bit 4:2:2



High Density



8 Encoding Cores



Network Adaptive
Encoding



16 Stereo
Audio Cores



Secure & Reliable



MENU



General Settings

Media

Outputs

Video Encoders

Audio Encoders

Metadata

Apply

Name	Input	Resolution	GOP	Bitrate	Action
<input checked="" type="radio"/> Video Encoder 0	BNC-1 (SDI)	3840x2160p60	120	25000	None ▾
<input type="radio"/> Video Encoder 1	BNC-2 (SDI)	1920x1080p59	60	10000	None ▾
<input type="radio"/> Video Encoder 2	BNC-3 (Auto-Det...)	1280x720p59	30	5000	None ▾
<input type="radio"/> Video Encoder 3	BNC-4 (SDI)	Auto-Detect	240	1500	None ▾
<input type="radio"/> Video Encoder 4	BNC-1 (SDI)	1920x1080p59	120	15000	None ▾
<input type="radio"/> Video Encoder 5	BNC-2 (SDI)	1280x720p59	120	2000	None ▾
<input type="radio"/> Video Encoder 6	BNC-3 (Auto-Det...)	Auto-Detect	30	10000	None ▾
<input type="radio"/> Video Encoder 7	BNC-4 (SDI)	1280x720p59	120	1500	None ▾

[Outputs](#)[Video Encoders](#)[Audio Encoders](#)[Metadata](#)

Video Encoder 0

[Statistics](#)[Start](#)[Apply](#)

Input

Input

BNC-1

[Input Settings](#)

Input Format

Auto-Detect

Basic Parameters

Codec Algorithm

H.265

Encoding Profile

Main 4:2:2 10

Chroma Subsampling

4:2:2 10-bit

Bitrate

6000

Resolution

1920x1080p

Frame Rate

30



MENU





Outputs

Video Encoders

Audio Encoders

Metadata



Output 1

Statistics

Start

Apply

Streaming Parameters

Broadcasting

Protocol

TS over SRT



TS Settings

Connection

Mode

Caller



Address

1.1.1.1

Source Port

Auto-Assign

Destination Port

1111

SRT Settings



Makito X⁴ Rugged



H.265
HEVC

Bandwidth Efficient



Ultra Low Latency



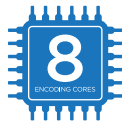
Metadata Filtering



SWaP Optimized



Dual Network
Interfaces



8 Encoding Cores



Fully Ruggedized



MISB & STANAG
Compliant





Makito X H.264 Encoders



H.264 Encoding



Ultra Low Latency



Multi-Bitrate Streaming



Network Adaptive Encoding



Stream Sync



Secure & Reliable



MENU



Makito X H.264 w/ Storage



**H.264
AVC**

H.264 Encoding



Ultra Low Latency



Network Adaptive
Encoding



Local Recording



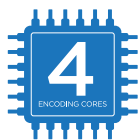
Fixed & Removable
Storage



Secure & Reliable



Makito X Harsh



Four H.264
Encoding Cores



Low End-to-End
Latency



Fanless



Multi-Bitrate
Streaming



Network Adaptive
Encoding



Wide Operating
Temperature Range



KLV Metadata



Secure and Reliable





Makito X H.264 Decoder



**H.264
AVC**

H.264 Decoding



Ultra Low Latency
Glass to Glass



Dual Channel
H.264 Decoder



Stream Sync



Secure & Reliable





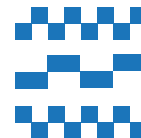
Makito X HEVC Decoder



H.264 Decoding



Stream Sync



10-bit 4:2:2



Ultra Low Latency
Glass to Glass



Dual Channel
HEVC/H.264 Decoder

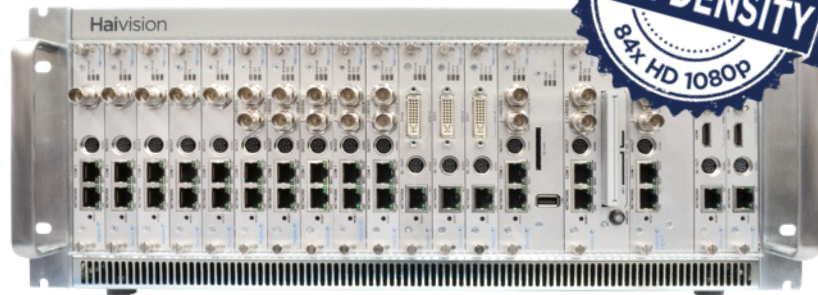


Secure & Reliable





MB 1/2/6/21





Kraken CR



Kraken CR



Bandwidth Efficient
HEVC Transcoding



CoT & KLV
Metadata



Interoperability



Secure & Reliable



MENU

Streams

 Add

Apply

GENERAL SETTINGS

Streams

Inputs

Transcoders

Outputs

Metadata



Name	Input	Transcoder	Outputs	Actions
● EO Local Analysts	EO MJPEG	h.264 High	Output 1	None ▾
● EO to RVT 2	EO MJPEG	h.264 RVT	RVT Downlink 2	None ▾
● IR Local Analysts	IR MJPEG	h.264 High	Output 2	None ▾
● IR to RVT 1	IR MJPEG	h.264 RVT	RVT Downlink 1	None ▾
● Test Case	MXE-50-1	HEVC High	Output 1	None ▾





Haivision Media Gateway 100/200/400



GUI



Flip Live Streams



Bridge Networks



Stream to
Multiple Destinations



MENU



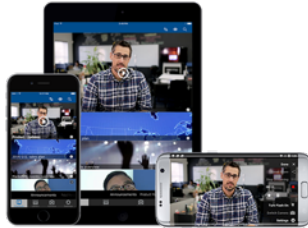
Haivision Play Series



Haivision Play 2000



Haivision Play 4000



Haivision Play For Mobile



Haivision Play for Apple TV



Haivision Play STBs



Haivision Play 4000



Haivision Play 2000



Up to
2160p60Video



EPG & IPTV
Channels



High Picture
Quality



Centralized
Management

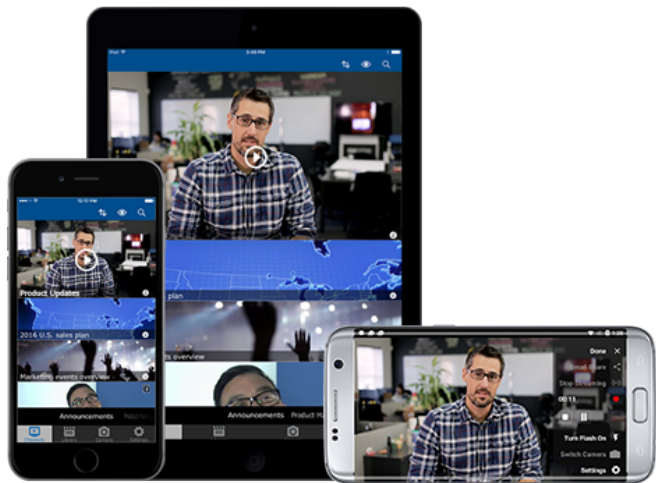


Direct Stream
Decoding





Haivision Play for Mobile



Live, VOD & IPTV
Channels



Contribution



High Picture
Quality



Direct Stream
Decoding



Offline Playback



Secure & Reliable



Haivision Play for Apple TV



High Picture
Quality



2-Up Playback



Secure & Reliable





Haivision Media Platform



GUI



Enterprise All-hands



IPTV



Multi-Source Sessions



Digital Signage



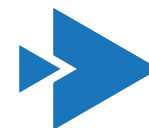
For All Enterprise Screens



Central STB Management



User Authentication



Microsoft Stream



MENU



Portal

Content Library

Schedule Events

Manage Devices

Search

Advanced



Sessions

Sources

Feeds

Sort by

Newest

View

Publish

Create Session

Edit

Delete

Export

101 Videos



InfoDev TEST Session - 18/01/201...
23 hours ago 0:04



Sync 3
3 days ago 0:22



No Sync
3 days ago 0:11



Gary's Recording
3 days ago 0:00



Session - 12/15/2016, 2:56 PM
10 days ago 10:09



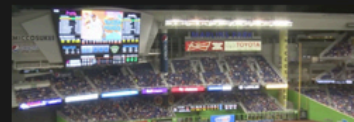
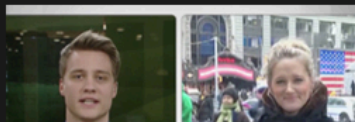
Recording 01
37 days ago 0:06



Concert
37 days ago 0:07



Interview
37 days ago 10:04



MENU





Live Channels

Sort by Oldest

15



All

0 Items



Actions

17 Items



All

Videos























Sessions

Sources

All

Suggested

Featured

-  Bell1 - RDS 
-  Bell2 - CBC 
-  Bell3 - LCN 
-  Bell4 - The Weather Channel 
-  BT1-ABC 
-  BT2-NBC 
-  BT3-CBS 
-  BT4-VPBS 
-  BT5-PPBS 
-  BT6-FOX 
-  BT7-CTV 



MENU





< Layout 02 - Enterprise

Undo | Redo | Bring Front | Send Back | Add Region | Delete Region

Upcoming Activities

- Design Thinking
Apr 9, 2pm / 37 Room
- 3D Art
Apr 10, 6pm / E4 Room
- Business skills for Creative
Apr 17, 1pm / F8 Room
- C++ Programming Intro
Apr 20, 5pm / Johnson Lab

All-Hands Meeting
Company-wide Gatherings
April 2, 11am / Main Auditorium

LAS VEGAS WEATHER

84°F Clear

Sun	Mon	Tue	Wed	Thu	Fri	Sat
90°F 63°F	90°F 68°F	84°F 55°F	73°F 50°F	75°F 55°F	70°F 57°F	82°F 54°F

Layout Properties

Name:

Duration: 00:00:10

Repeat: YES

Layout

Arrangement:

[reset arrangement](#)

Divider width:

Divider color:

▶ ● 00:00 00 / 00:00 10



Upcoming Activities

Design Thinking

Apr 9, 2pm / J7 Room

3D Art

Apr 10, 6pm / E4 Room

Business skills for Creative

Apr 17, 1pm / F8 Room

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All-Hands Meeting

Company-wide Gatherings

April 2, 11am / Main Auditorium



LAS VEGAS
WEATHER



84°F
Clear

Sunday



90°F 63°F

Monday



90°F 68°F

Tuesday



84°F 55°F

Wednesday



73°F 50°F

Thursday



75°F 55°F

Friday



70°F 57°F

Saturday



82°F 54°F



MENU

Haivision



CoolSign



CoolSign





CoolSign

24 LIVE

June 10, 2018

Montreal

Today 26°c

Friday 24°c

Saturday 22°c

Sunday 19°c

24 HOURS

BREAKING NEWS STOCKS ROSE MONDAY

2:12 PM PT

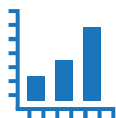
SILVER -0.763%

U.S. STOCKS ROSE MONDAY AFTER THE GOVERNMENT APPROVED KEY REFORMS

ORD LEVELS. 24 GOVERNMENT PROPOSES LEGISLATIVE REGULATIONS. 24 PROPERTY TAX INCREASE SHAKES THE BOOTS OF FOREIGN

HMP IPTV | Keep your employees informed

Keep your employees on top of current events and financial news with a scalable IPTV solution that delivers broadcast TV channels to every desktop and public display throughout your organization.



Data-Driven



Layouts & Graphics



Scheduling



Player & IPTV





REACH



Global Azure Reach
for low latency contribution from
anywhere

ROUTE



Automated Routing
to reduce setup time
and eliminate errors

CONNECT



Connected Hublets
to extend production
ecosystem



**API-driven
integrations**
to easily integrate into
broadcast workflows



Easy to use
Intuitive node-
based workflow for
on-demand routing



**Remote device
control**
Provision and manage
end-points



Live and File
Transport video
securely and reliably



Powered by SRT
Easily send live and
file-based content
globally



SRTHub

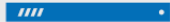
IoT remote management



Makito X Encoder



KB Encoder



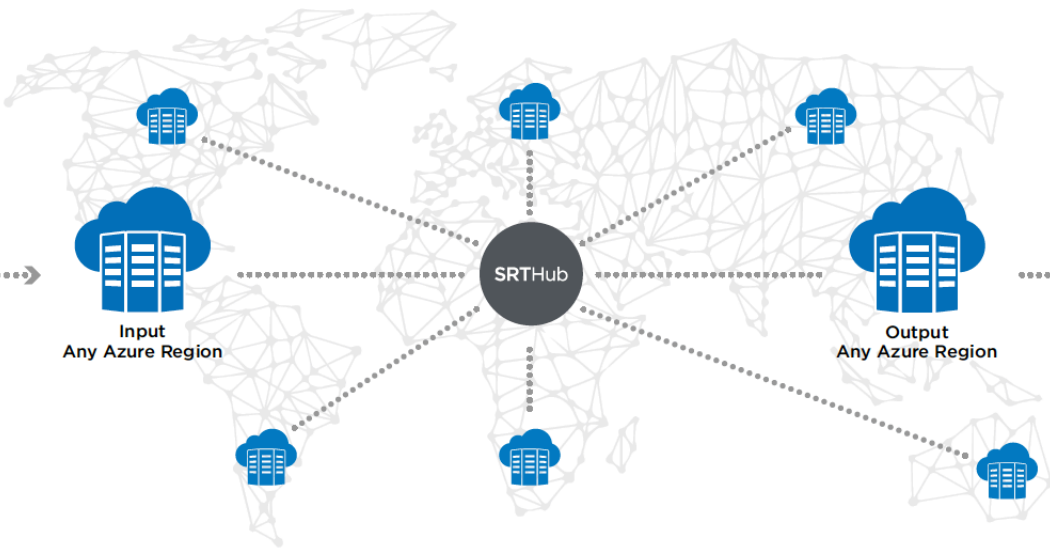
Haivision Media Gateway



SRT-Compatible Encoder



3rd Party Broadcast Solution



IoT remote management



Makito X Decoder



Haivision Media Gateway



SRT-Compatible Decoder



3rd Party Broadcast Solution





SRTHub

The dashboard provides an overview of the SRTHub system. It features a world map with status indicators (green checkmarks for active routes and red 'X' marks for conflicts) across various regions. Key statistics are displayed in three cards: Routes (144 All, 90 Active, 54 Conflicts), Usage (Last 6 months), and Latency (Last 24 hours). A list of routes is shown on the right, with a filter for 'East US1' and a 'NEW ROUTE' button.

Dashboard

This view shows the configuration for a specific route, 'New Route Test 01'. It displays a flow diagram with one input hublet ('Input-test-01'), one processing hublet ('Processing-test-01'), and one output hublet ('Output-test-01'). A list of available output hublet types is shown on the right, including Wowza Streaming Cloud, Facebook, Microsoft Stream, Azure Media Service, and LinkedIn Live. The interface includes 'SAVE AS TEMPLATE' and 'START ROUTE' buttons.

Connected Route

Market Solutions





Broadcast



Field Contribution



Monitoring & Return Feeds



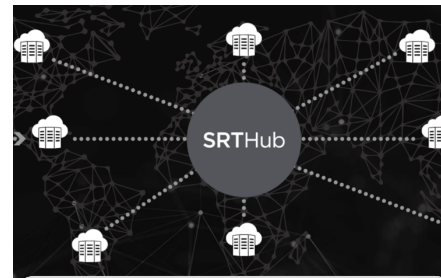
Live Interviews



Remote Production



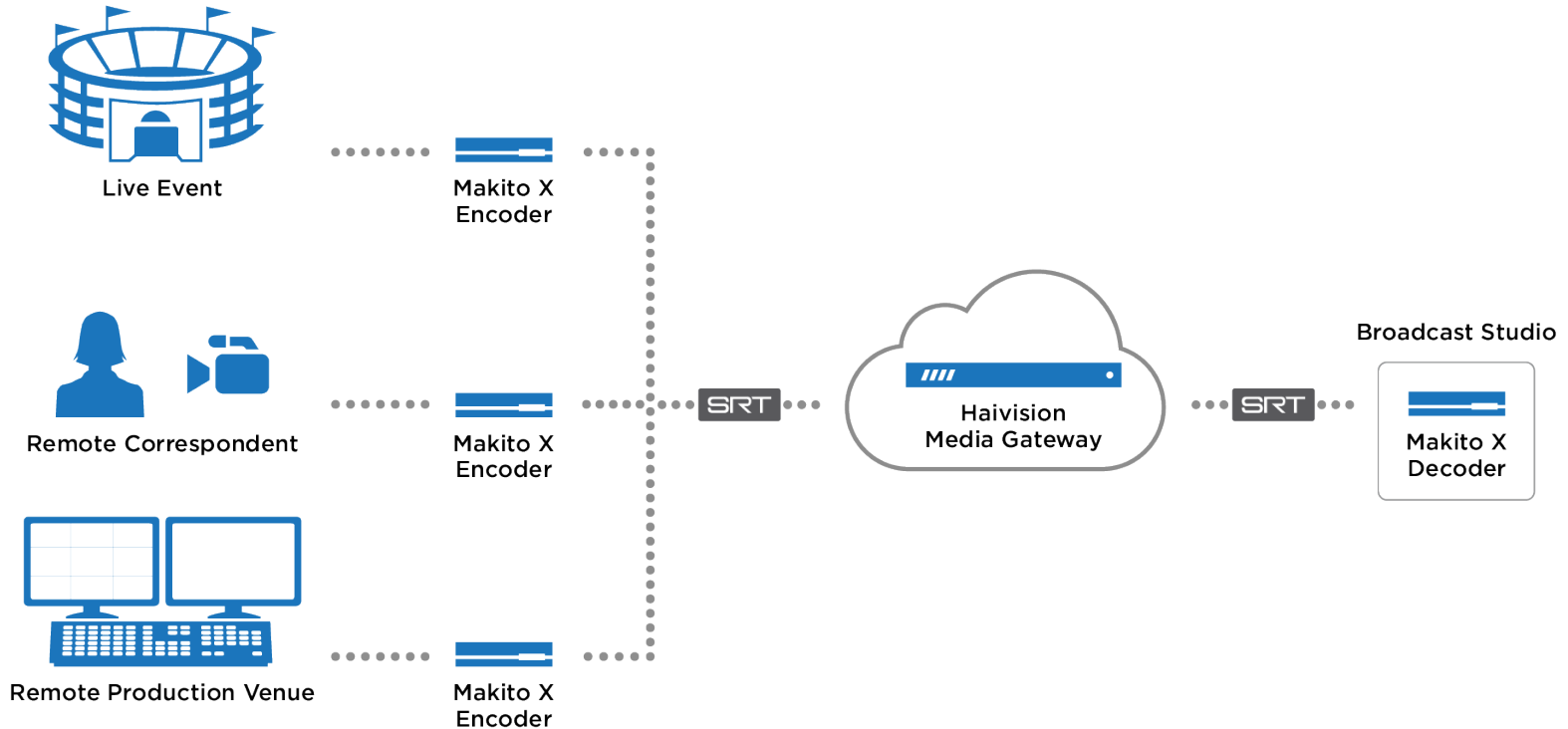
Live Linear to OTT



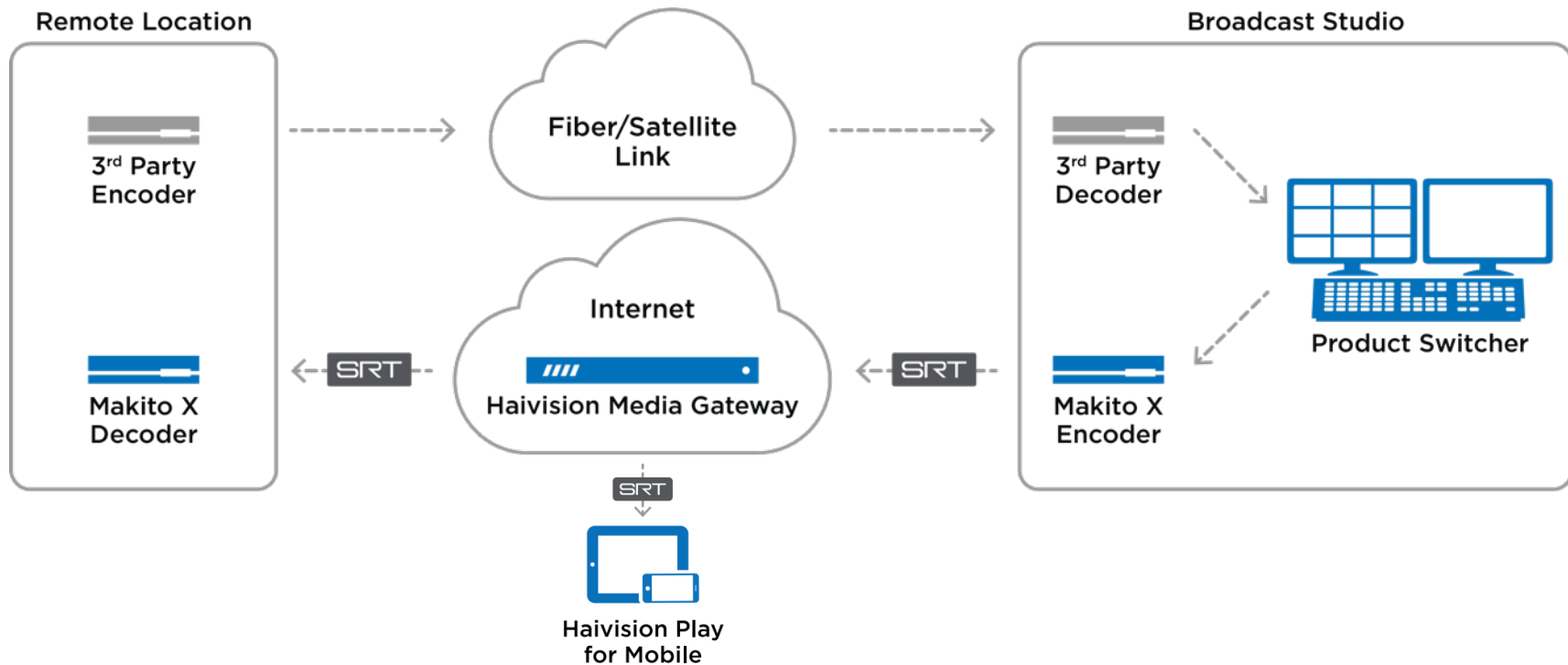
SRTHub



Field Contribution

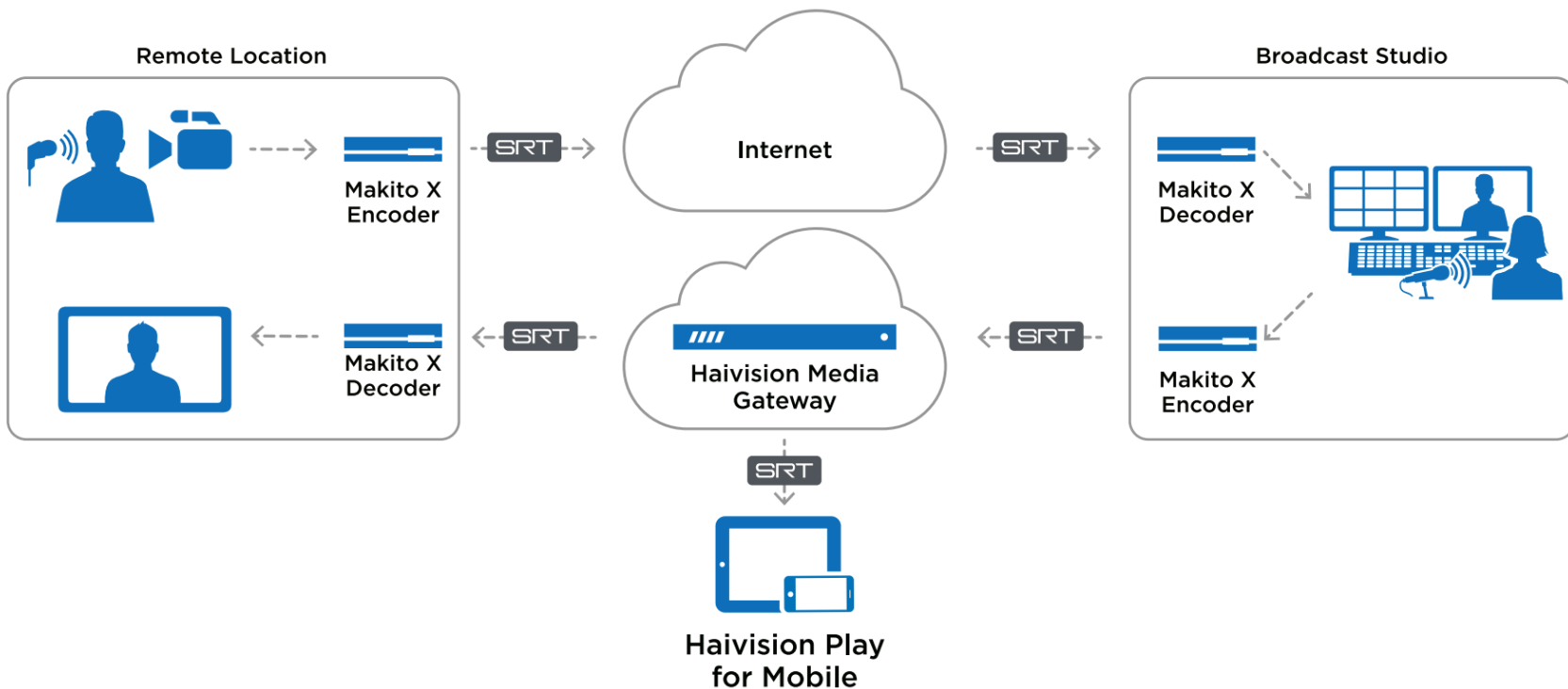


Monitoring & Return Feeds



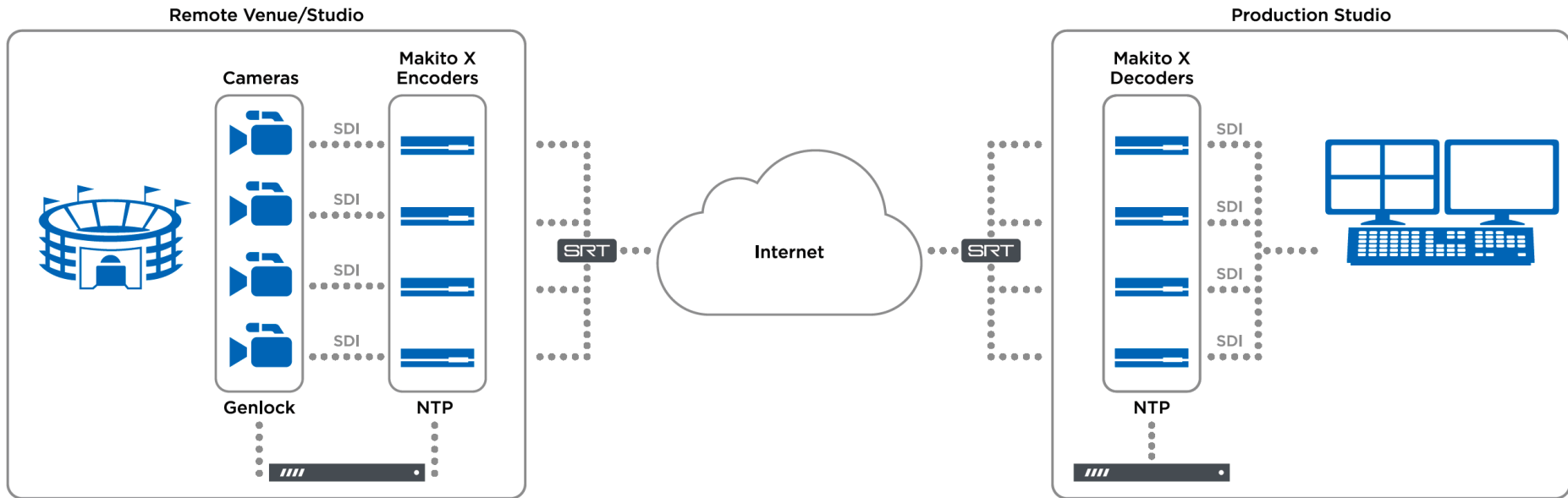


Live Interviews & Return Feeds

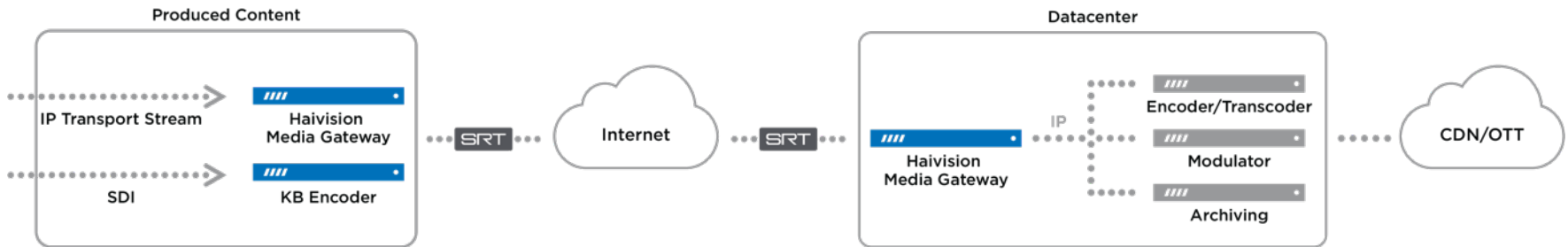




Stream Sync - Remote Production

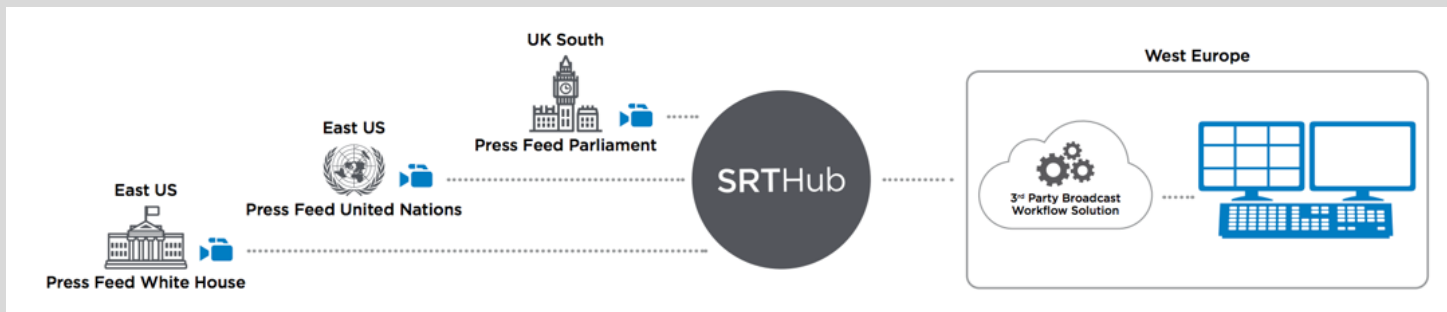


Live Linear to OTT



SRTHub Use Cases

Field Contribution to Cloud-based Production



East US



Makito X Encoder

Makito X Decoder



SRTHub



East Asia

Makito X Decoder

Makito X Encoder



Field Contribution with Return Feeds





Enterprise



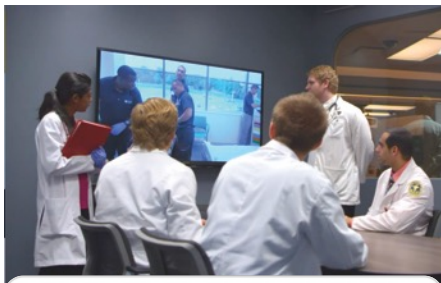
Live Event Webinars



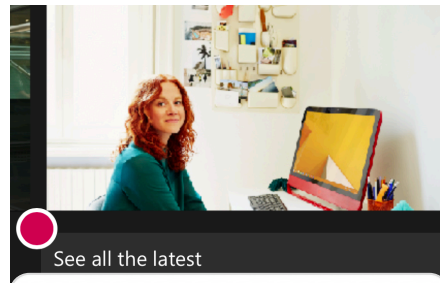
Remote Event Production



IPTV & Signage



Recording & Assessment



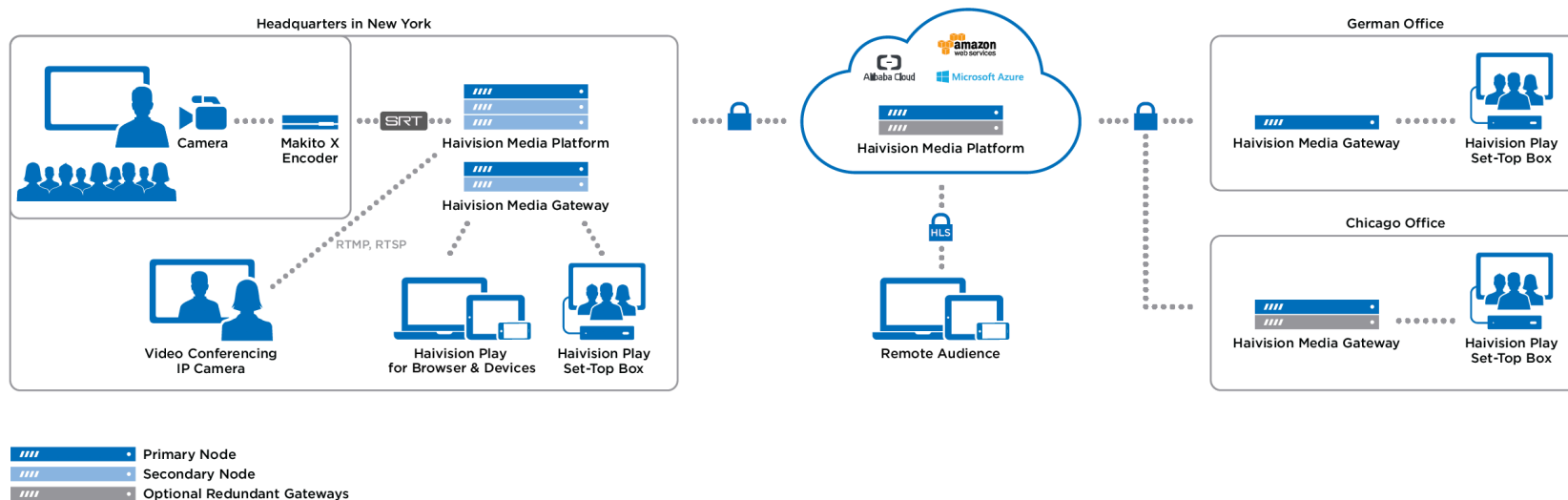
See all the latest

Live Video for
O365 Stream



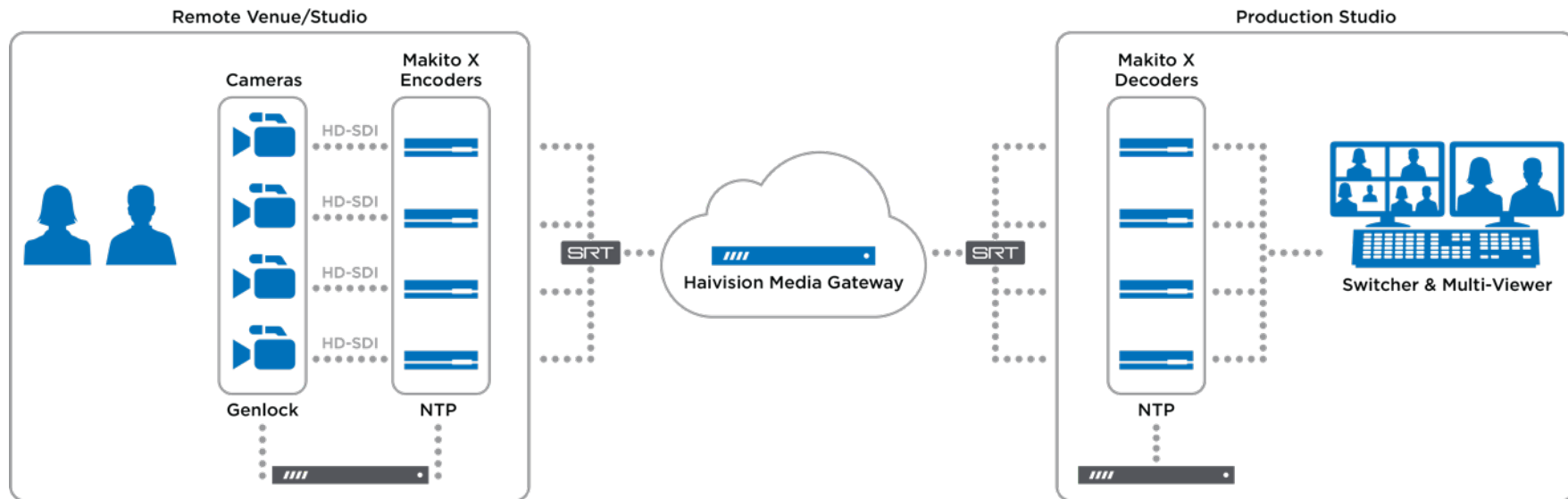


Live Event Webinars



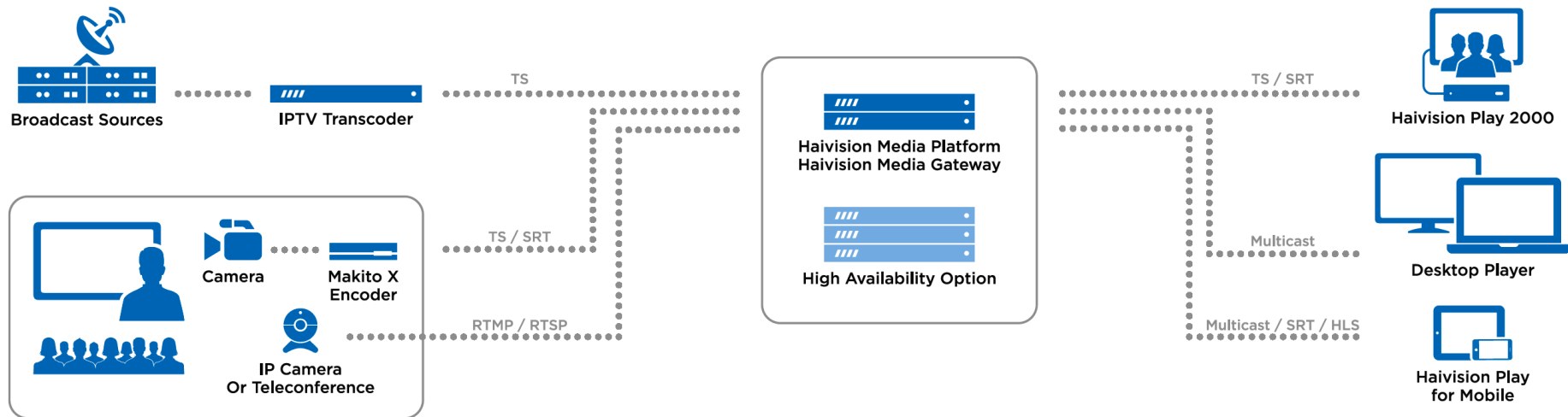


Remote Event Production



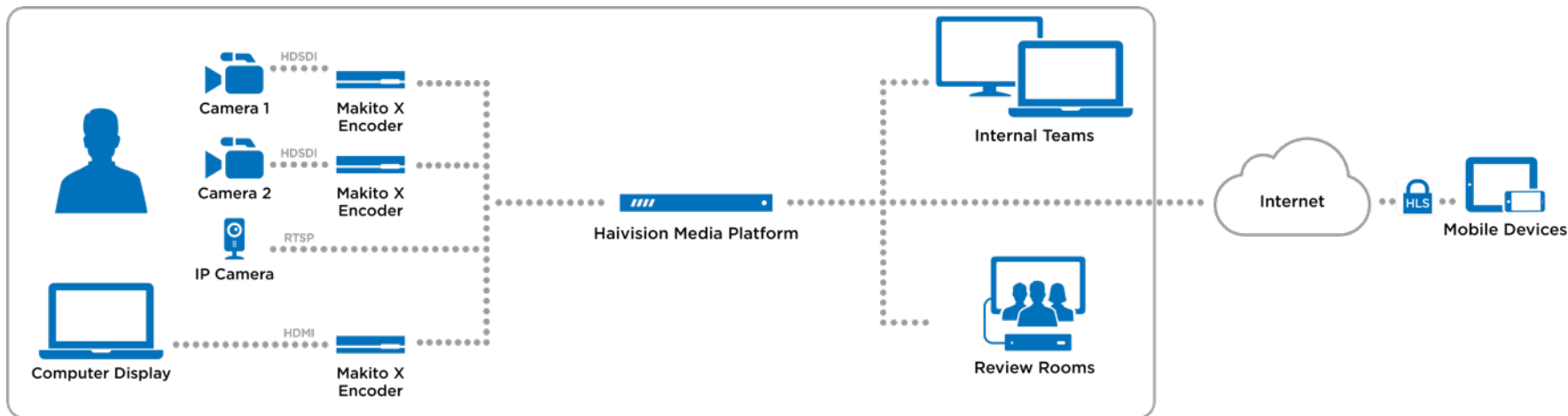


IPTV & Digital Signage



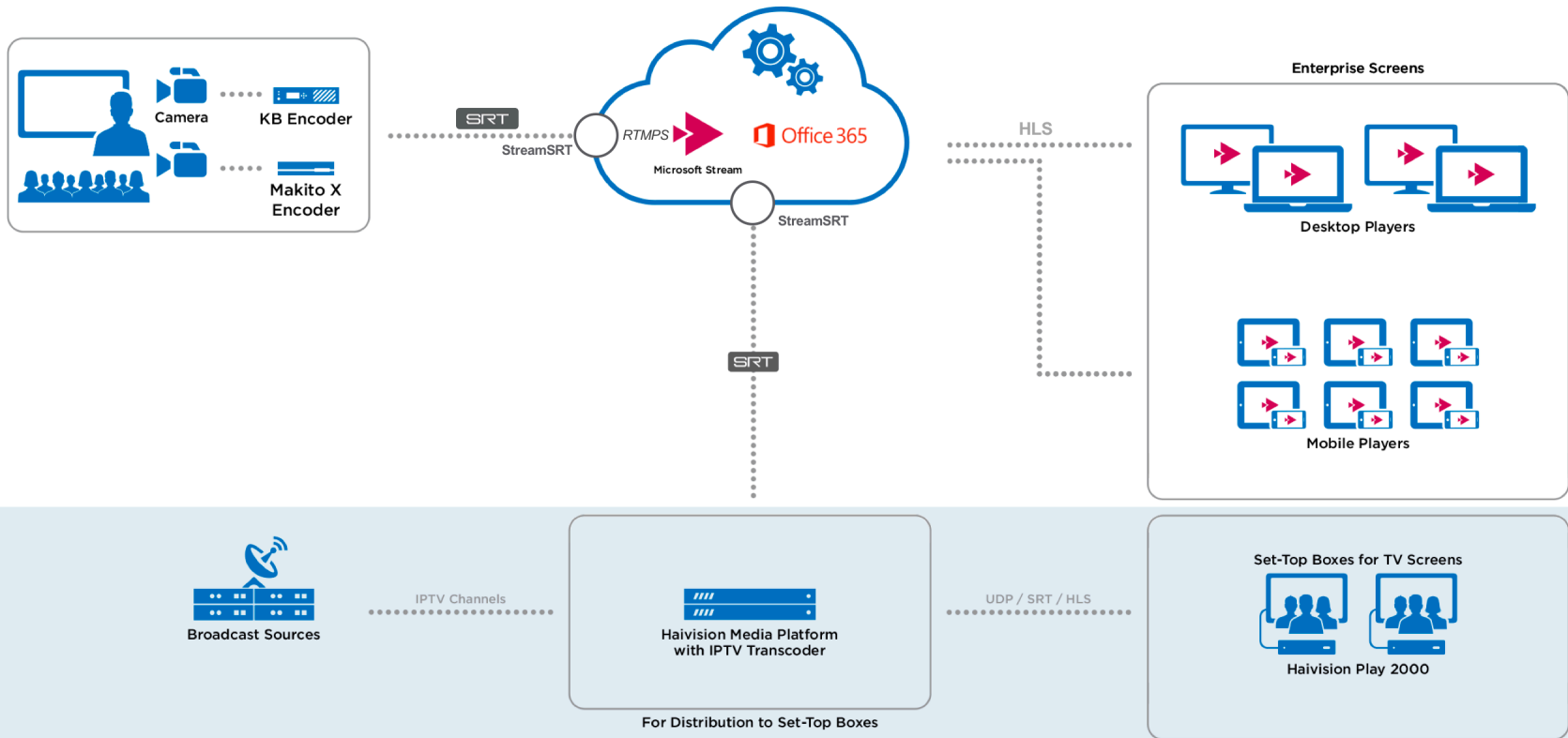


Performance Recording and Assessment





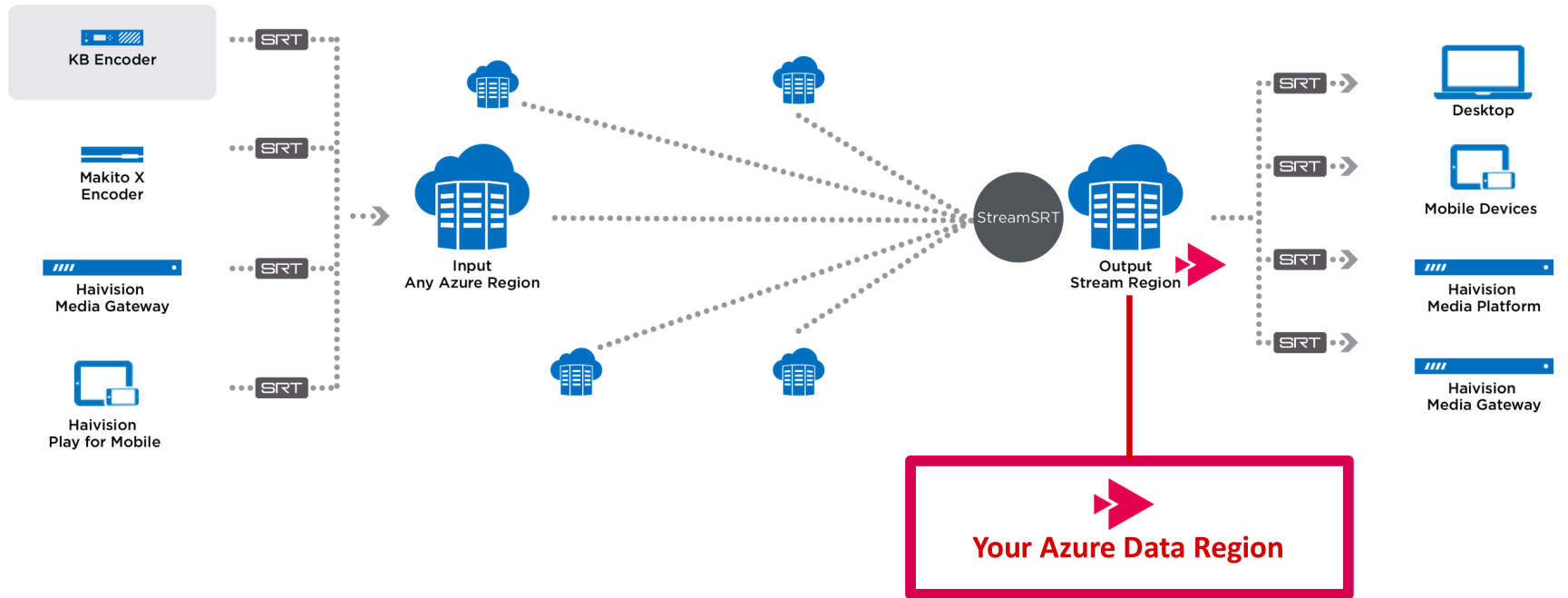
Live Video for 0365 Stream





StreamSRT

IoT remote management





Faith



Online Streaming



Multi-Site Delivery



Multi-Site Monitoring



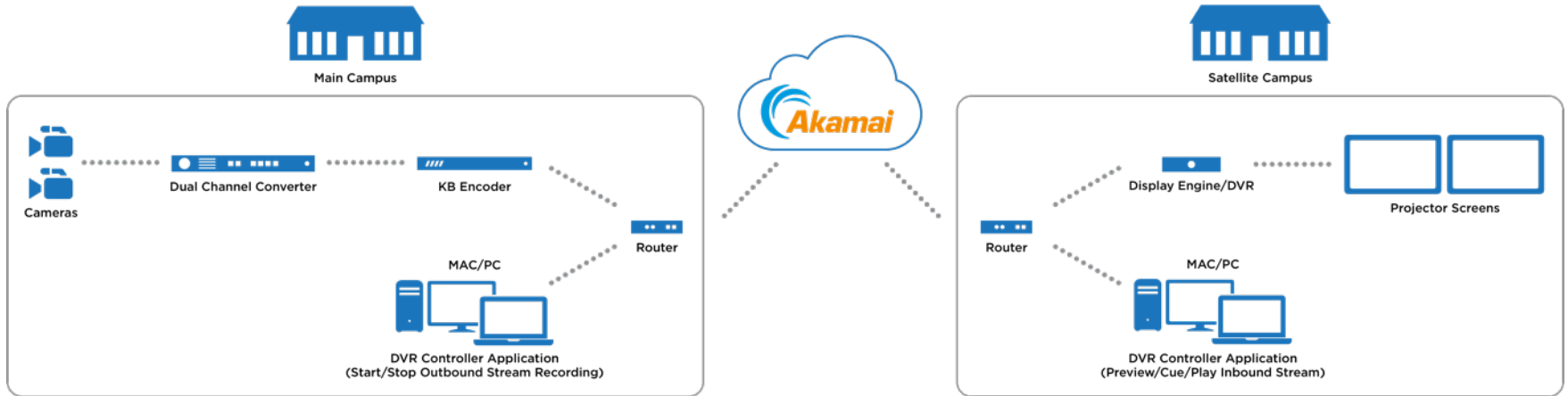
Bi-Directional Video



Online Streaming

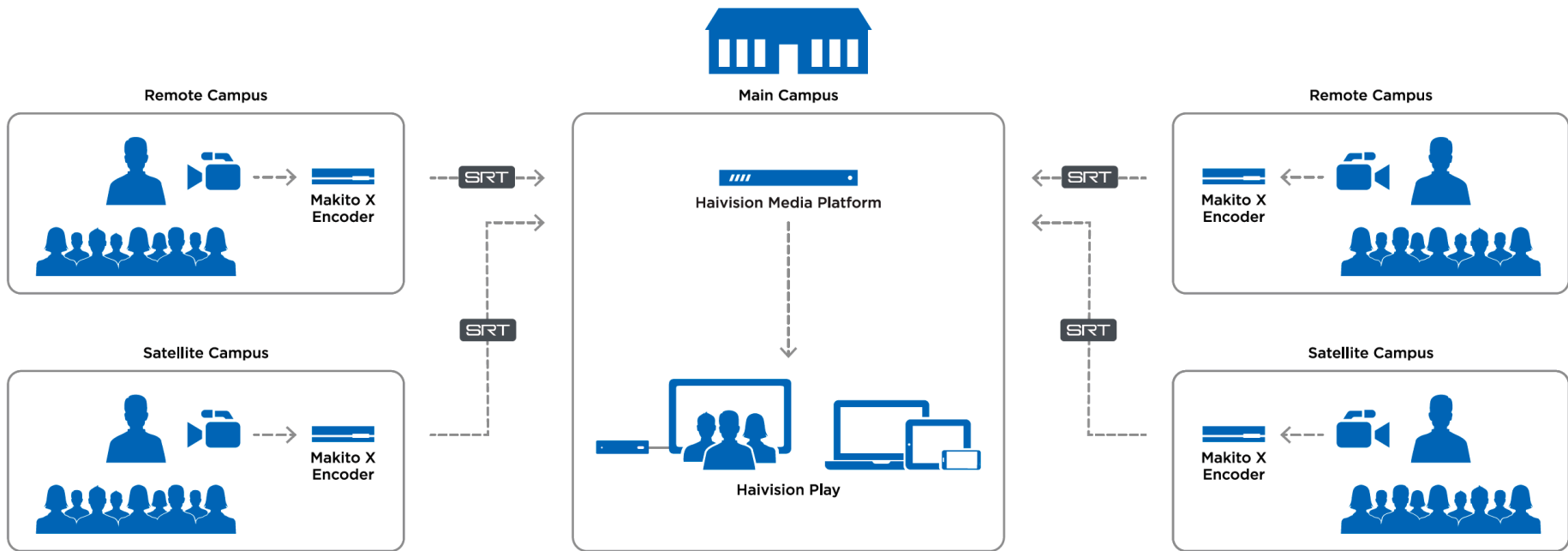


Multi-Site Delivery

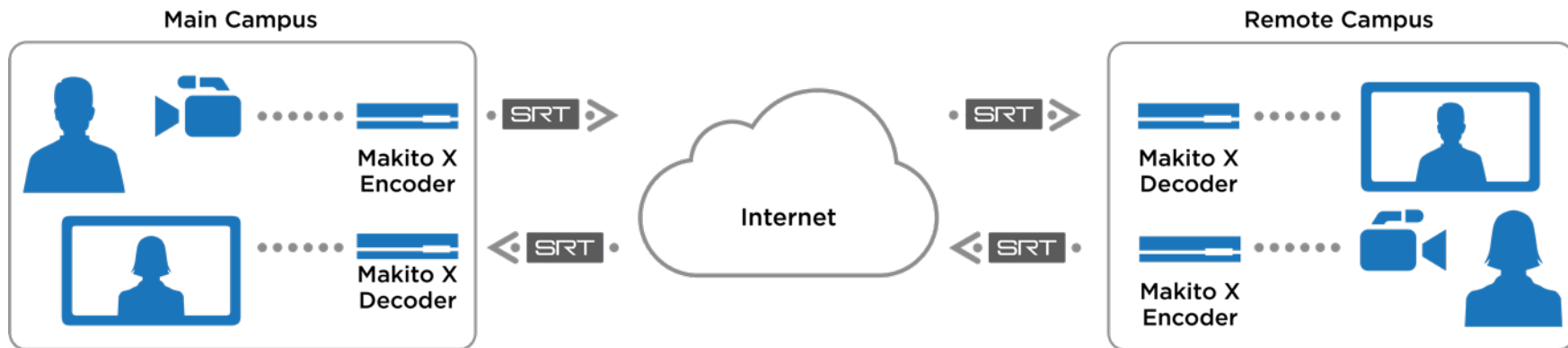




Multi-Site Monitoring



Bi-Directional Video





Military & Defense



ISR

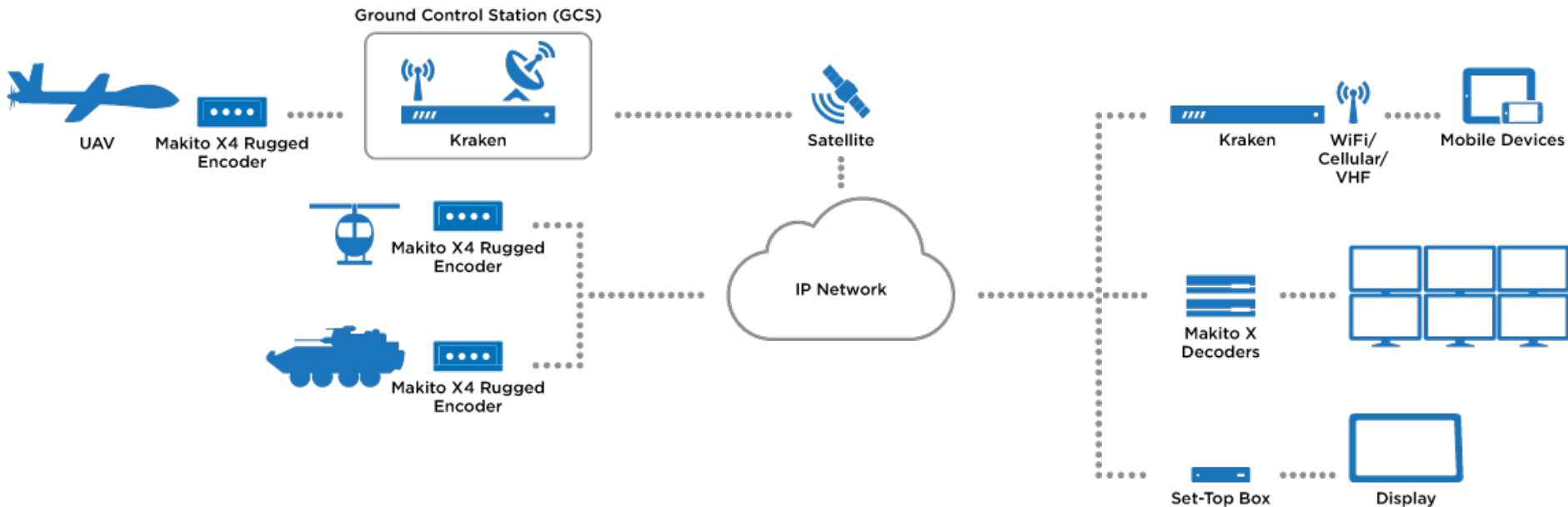


Test & Training Ranges



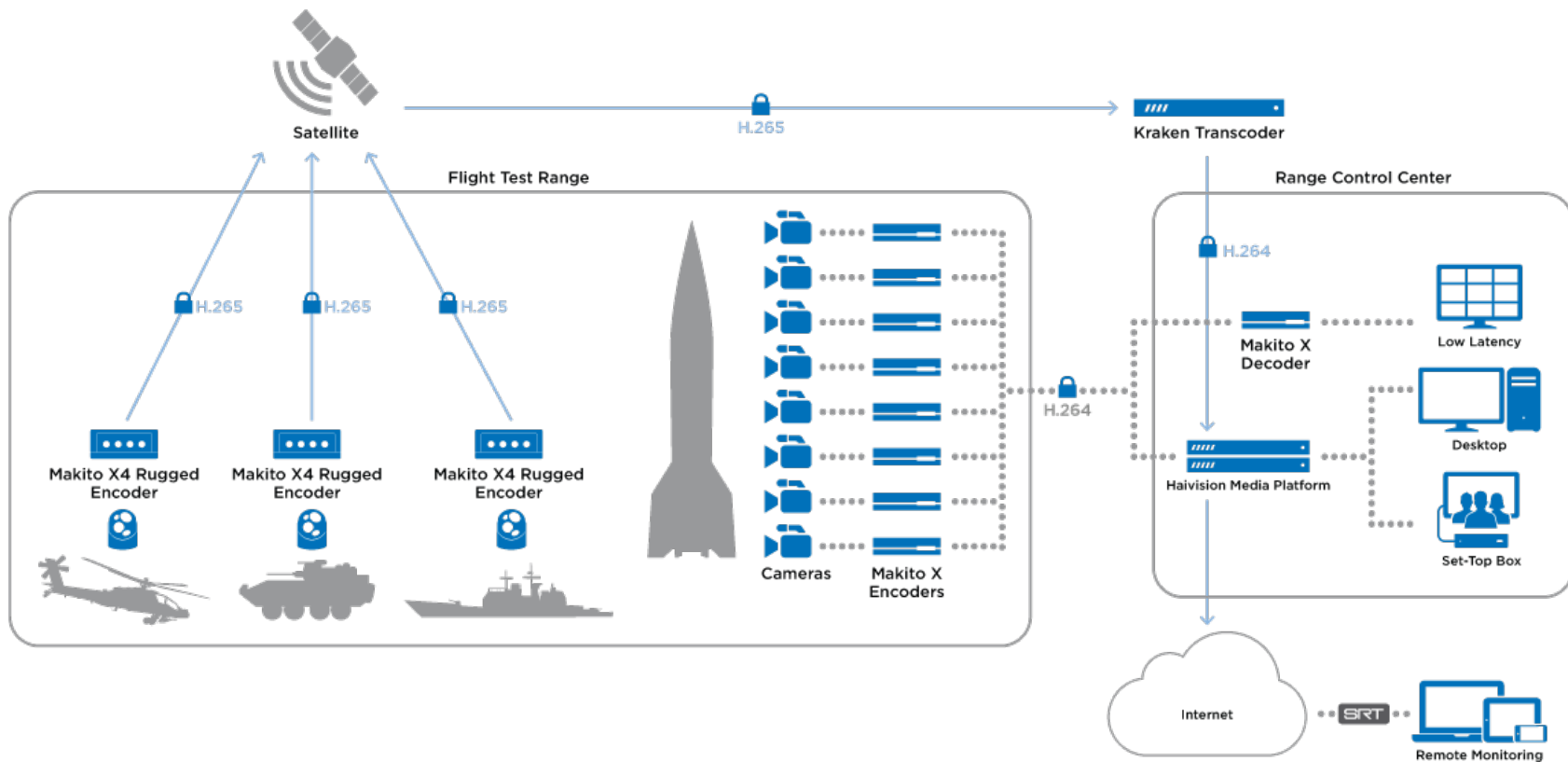


Makito X4 Rugged for Situational Awareness





Makito X4 Rugged for Test & Training Ranges

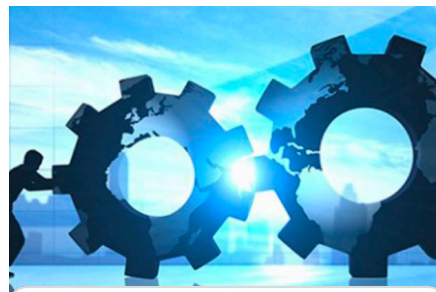




SRT



SRT Benefits



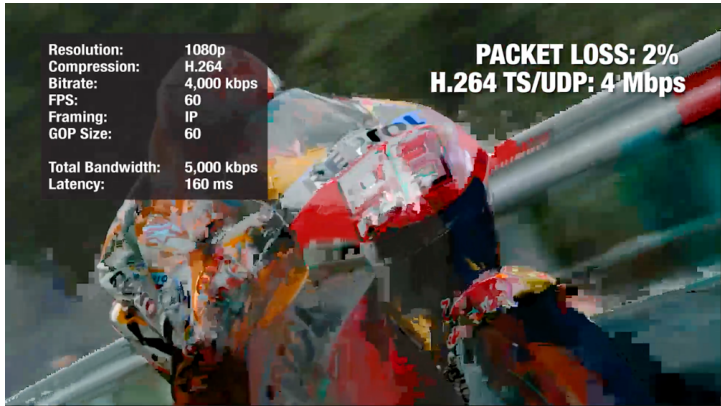
Development
History

SRT ALLIANCE

SECURE RELIABLE TRANSPORT



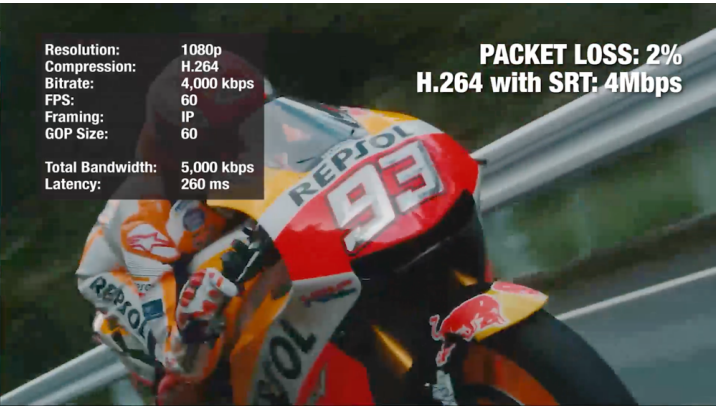
SRT Comparison



Resolution: 1080p
Compression: H.264
Bitrate: 4,000 kbps
FPS: 60
Framing: IP
GOP Size: 60

Total Bandwidth: 5,000 kbps
Latency: 160 ms

PACKET LOSS: 2%
H.264 TS/UDP: 4 Mbps



Resolution: 1080p
Compression: H.264
Bitrate: 4,000 kbps
FPS: 60
Framing: IP
GOP Size: 60

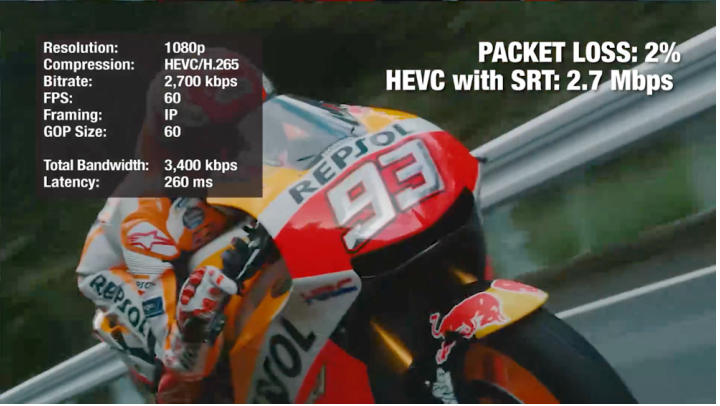
Total Bandwidth: 5,000 kbps
Latency: 260 ms

PACKET LOSS: 2%
H.264 with SRT: 4Mbps



Resolution: 1080p
FPS: 60

LIVE SOURCE



Resolution: 1080p
Compression: HEVC/H.265
Bitrate: 2,700 kbps
FPS: 60
Framing: IP
GOP Size: 60

Total Bandwidth: 3,400 kbps
Latency: 260 ms

PACKET LOSS: 2%
HEVC with SRT: 2.7 Mbps





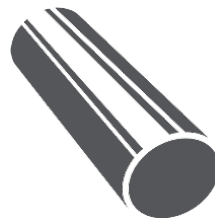
SRT



LOW LATENCY
CONTRIBUTION



PRISTINE
QUALITY



CONTENT
AGNOSTIC



SECURE
STREAMS

SRT

Open Source

GitHub 



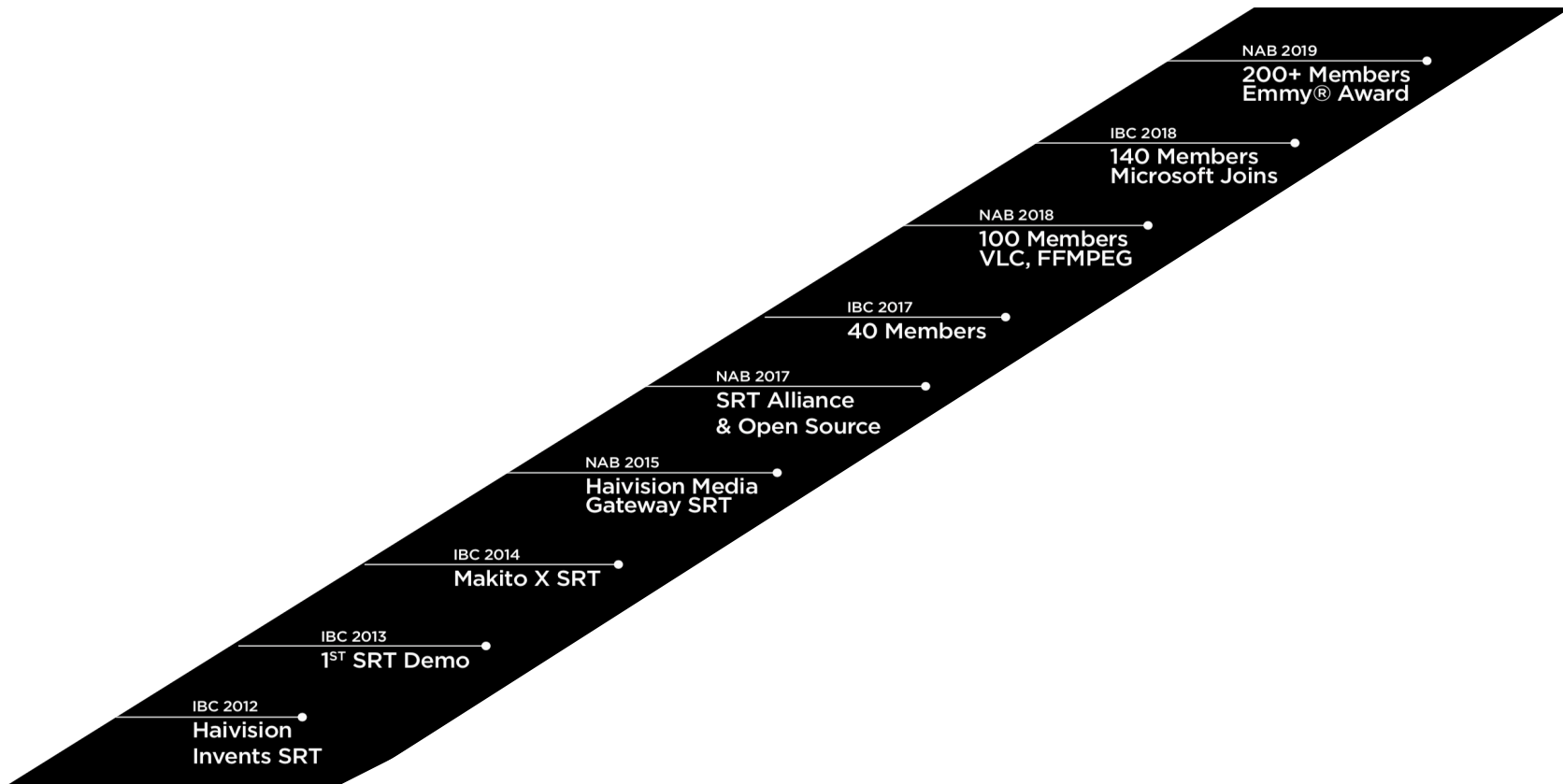


SRT Alliance





SRT Timeline





Подготовка предложений

Адаптация материалов

Демо комплекты

- Makito X SDI (SRT/H.264)
- Makito X DVI (SRT/H.264)
- Makito 4X SDI (SRT/H.265)*
- HaivisionPlay 2000/4000*
- HMG*
- HMP

Сопровождение демо или реальных инсталляций

