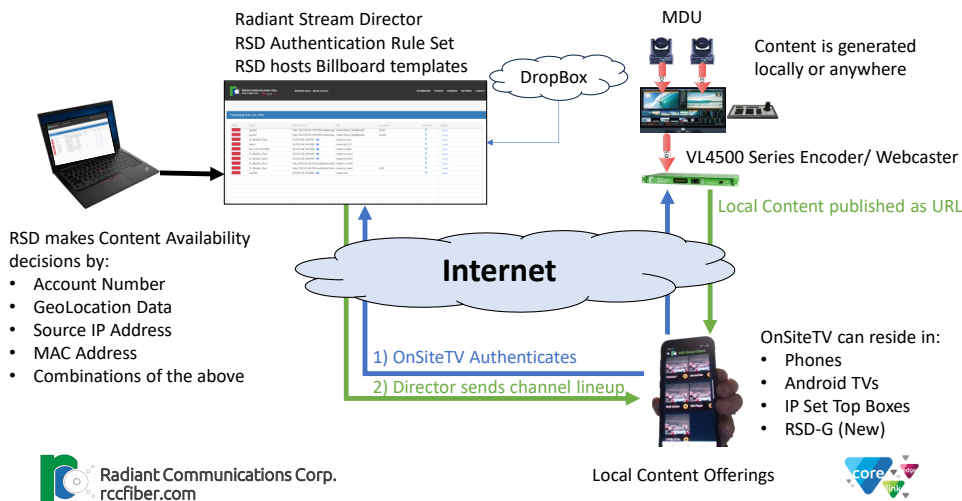# Radiant Stream Director

Intelligent Stream Direction for Localized Video and Signage Directed toward Specific Audiences.

Intelligent OTT Stream Direction – How Does it Work?

Radiant Stream Director
RSD Authentication Rule Set
RSD hosts Billboard templates

DropBox

MDU

Content is generated locally or anywhere

VL4500 Series Encoder/ Webcaster

Local Content published as URL

Internet

RSD makes Content Availability decisions by:
- Account Number
- GeoLocation Data
- Source IP Address
- MAC Address
- Combinations of the above

1) OnSiteTV Authenticates
2) Director sends channel lineup

OnSiteTV can reside in:
- Phones
- Android TVs
- IP Set Top Boxes
- RSD-G (New)

Local Content Offerings

Radiant Communications Corp.
rccfiber.com

HIGHLIGHTS

- Truly Localized OTT/IP Insertion System
- Supports VL4500, DASH
- Common Homing URL for All Users
- Customer Content Creation Portal
- Intuitive Web Based UI
- Apps for RDK, Android, iOS and Roku
- Channel Lineup Created Based on Multi-factor Client Authentication
- Intuitive web based GUI
- Linux Based OS
- Scalable and Flexible Deployment

The RSD and VL4510H Dash encoders provide a truly localized channel insertion for all IP delivery systems.

Using the Intelligent Stream Direction of the RSD1000, simplification of channel mapping of MDU virtual channels is achieved by using a common Gateway Homing URL for every MDU client set top box. Intelligent Stream Direction is used to direct targeted digital signage to departments within a campus, direct targeted weather forecasts to specific locations, or to schedule content workflows that originate from different physical locations around the globe and target those streams to specific audiences.

The distributed version of the system is available in cases where linear service transmission resources are scarce. Low latency SRT protocol is used to backhaul all local encoder streams to the data center where they can be dynamically packaged as MPEG DASH streams and published to the web as a web resource URL.

The RSD is available as a software image for use in virtual hosts.

rccfiber.com/vividedge

RSD — OTT Local Content Insertion and Localized Signage Delivery System

RSD SPECIFICATIONS

PLATFORM

Small Form Factor 1RU Server
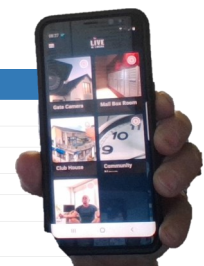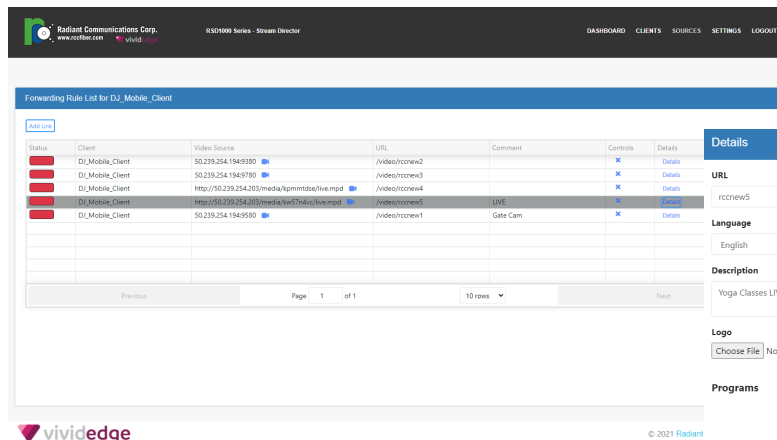
64bit Ubuntu Server 22.04 LTS

SUGGESTED SYSTEM

CPU	Intel(R) Core(TM) i5-6300U CPU @ 2.40GHz
DRAM	4GB DDR4-3200 2Rx8 ECC UDIMM, RoHS
SSD	256 GB

NETWORKING

2x GigE Base-T NIC

Web GUI Interface

SSH

REST API

Player OS Supported

Android and Android TV

Tizen

iOS**

Roku**

RDK

ORDERING INFORMATION

RSD	Stream Director Software installed on a powerful 1 RU PC platform
RSD-1	Single License for one MDU or Community / 6 multimedia channels
RSD-1R	Annual Renewal of RSD Licenses, including Software updates and support
RSD-V	Software Image for Virtual Hosts

Please contact the factory for extended support and maintenance packages.

*Licensed by number of insertion properties with 6 multi-purpose content channels per property. License includes a training class on basic management, operations, provisioning of channel lineups.

** Possibly available in Q4 of 2024

rccfiber.com/vividedge