

## **USB Digital TV receiver stick specifications**

**Model: DV5091**

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Company	<b>SDMC</b>	Department	<b>R&amp;D</b>	Version	<b>1.0</b>
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# 1. Introduction

## 1.1 Summarization

DV5091 USB TV receiver stick is used to receive ISDB-T signals; Supports high-definition decoder; Compatible with many high-definition television formats; Compatible with USB2.0 high-speed and full speed mode.

## 1.2 Features

- Support ISDB-T;
- Support USB2.0 high-speed and full speed mode.
- Support Mass storage agreement
- Support MPEG-1, MPEG-2, MPEG-4 (includes H.264), AVS and other audio and video decoding with software cooperation
- Support EPG, TELETEXT, SUBTITLE and other digital TV value-added services with software cooperation
- Support EPG scheduled, timing and other recording (DVR) function with software cooperation
- Support infrared remote
- Support x8, SLC, MLC, 4xLC and other various capacity NAND Flash

## 1.3 Applicable Fields

- Mobile TV

## 2. Appearance Size



Figure1

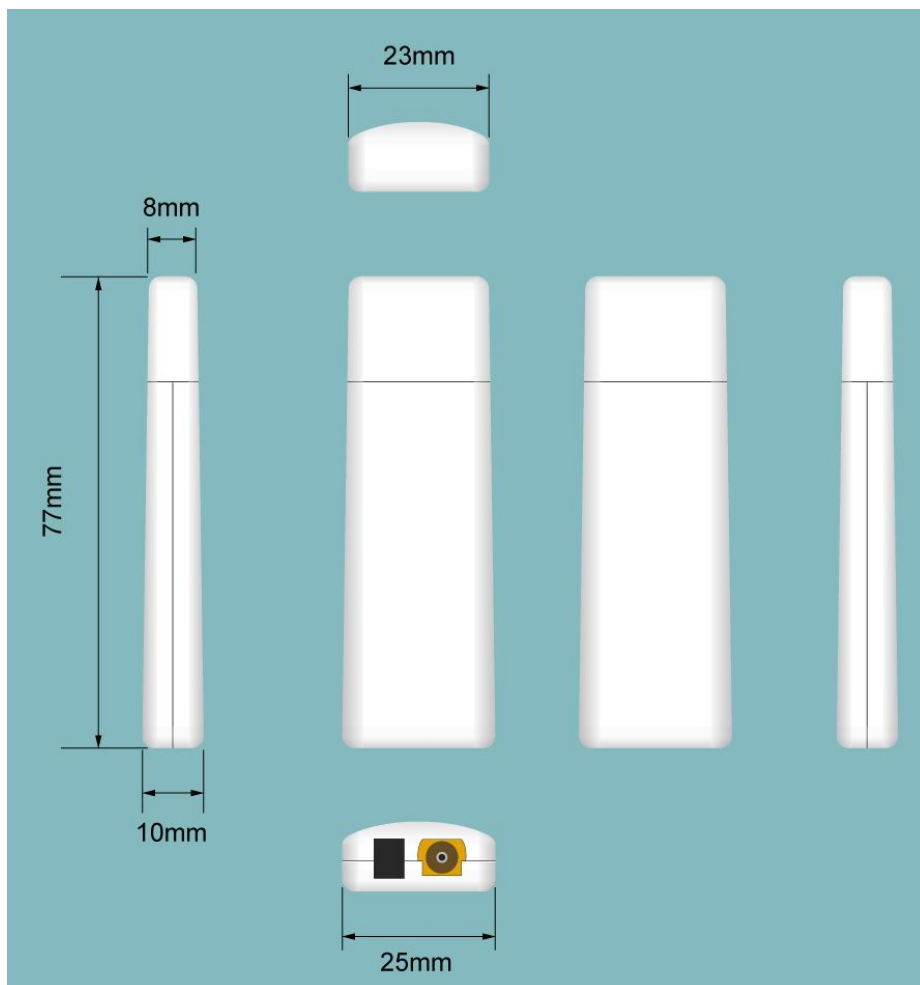


Figure2

### 3. Interface description

DV5091 interface includes USB、RF antenna signal; It can operate by remote control without software control, by connect USB of PC to achieve digital video output.

### 4. Technique parameter

#### 4.1 Tuner parameter

DV5091-IS

Detect item	unit	Technical requirements
The range of the receive frequency	MHz	(UHF)450~950
		(VHF)170~230
RF input level	dBm	(64QAM)-83~-10
		(16QAM)-89~-10
Input impedance	$\Omega$	50
bandwidth	M	6/7/8
Operating temperature	$^{\circ}\text{C}$	MAX: 45
		MIN: 0

#### 4.2 DC parameter

Type	Conditions	Min	Typical	Max	Unit	Ripple requirements
5V	4.9	5	5.10	V	$\leq 30\text{mV}$	200mA