VOD Solution for Bus (VSB)

*T*elelynx introduces a turn-key VOD solution for applications to city bus, coach and tourist bus, Model VSB. The system consists of a media server, a WiFi AP, and a GPS receiver, to be installed in the bus. It offers WiFi multimedia streaming and location-based information on demand to passenger's smart phone or tablet. Video contents, advertisement, and scrolling marquee can be displayed on the central monitor for all passengers. Bus stop broadcasting and location- based information can also be shown on the central monitor, provided an LTE/5G module is installed.

The system also offers an option to allow for automatic content update by LTE or WiFi and vehicle tracking through cloud.

VBS is a versatile and innovative solution that enhances the bus travel experience for both bus passengers and operators. As a killer application, this system can generate recurring revenue for operators from advertisement because the system may catch hundreds of thousands of eyeballs per day. It may also find applications in train stations, bus stations, amusement parks, other public spaces, to name a few.

This product is certified by E-mark, FCC, CSA, RoHS and ISO-16750.

Features:

- Video and music on demand to smart phones and tablets through WiFi
- Video, advertisement, scrolling marquee, bus stop broadcasting, location-based information can be displayed on a central monitor
- Automatic content update by LTE or WiFi (option)
- Support media APK

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Electrial Specifications:

|	
Operating System	Android 4.4.4
Webserver	nginx
CPU	1.2G/4 core
DRAM	512MB
Flash	8GB
Storage	SD: 128GB/ SSD: 240GB
GPS	uBlox, 9600bps
Ethernet	10/100/1000M
USB	2.0
Display (HDMI/CVBS)	720p
Real Time Clock (RTC)	for auto-wakeup function (Optional)
5G WIFI	for content update (Optional)
LTE	for content update/ location tracking (Optional)

Physical Specifications:

Input Power	DC 9~36V with power protection
Power Consumption	24V, 0.3A(operation)/ 2mA(idle)
Operating Temperature	-20~70℃
Dimensions	204*129*43mm
Weight	940g

Mechanical Drawing
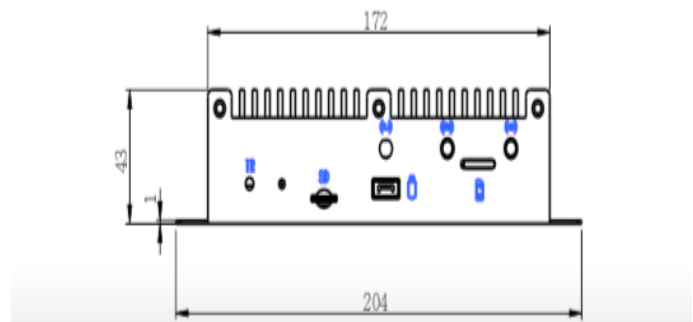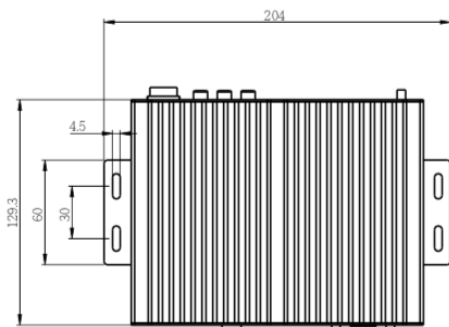
Hardware I/O Interface
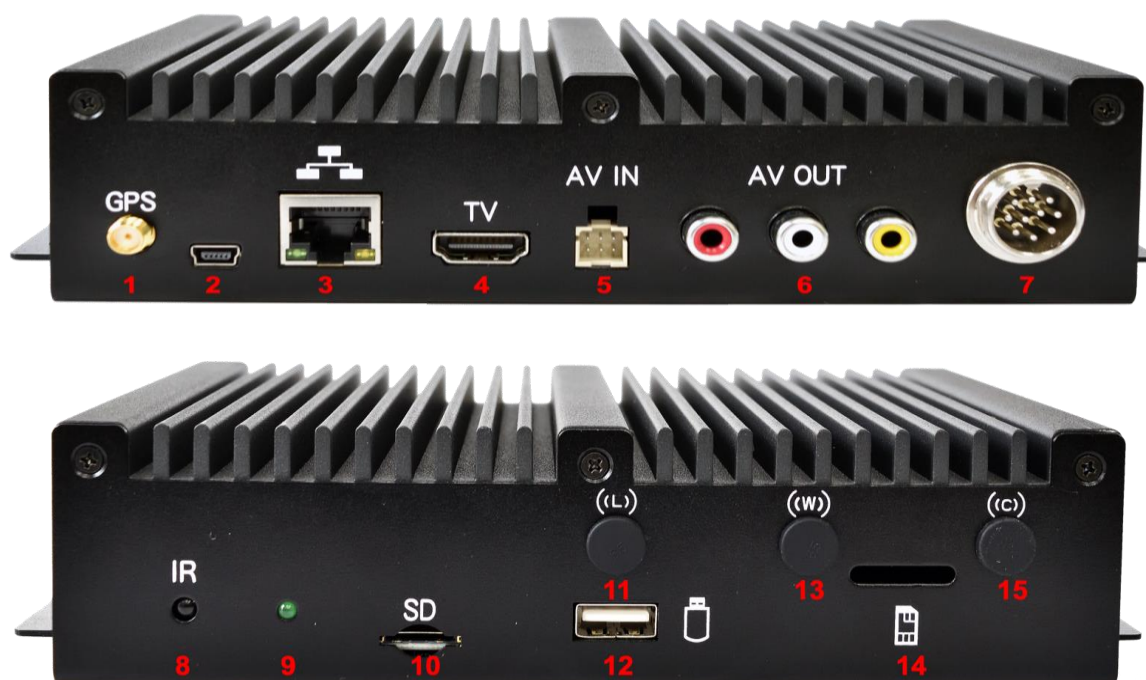
	I/O	Definition
1	GPS Connector	Connect to GPS Antenna
2	Mini USB Port	For Engineering Test
3	Ethernet Port	Connect to AP
4	HDMI Port	Connect to Public Displaying Screen
5	AV In Port	(Reserved Port)
6	RCA Jacks	Connect to Public Displaying Screen
7	Mini-DIN Power Connector	Connect with Mini-Din Power Cable
8	IR Sensor	Receive Signal from Remote Control
9	Power LED Indicator	Solid Green when Power on
10	Micro SD Slot	Insert Micro SD Card
11	Antenna Connector (L)	Connect to 4G LTE Antenna (Optional)
12	USB Port	Connect to USB Flash Drive or External Hard Disk
13	Antenna Connector (W)	Connect to 5G Wi-Fi Antenna (Optional)
14	SIM Card Slot	Insert SIM Card (Optional)
15	Antenna Connector (C)	(Reserved)

GPS / BDS Antenna

Frequency Range	GSM: 824-960 MHz, 1710-1990 MHz WIFI: 2.45GHz GPS:1575.42 MHz BD: 1561 MHz
Input Impedance	50Ω
Voltage	DC 3~5V
Dimensions	49*43mm
Cable Length	3m
Picture	

Communication Antenna

Frequency	700 ~ 960 MHz 1710 ~ 2700 MHz
V.S.W.R.	<= 4.0 @ 704 ~ 960 MHz <= 3.5 @ 1710 ~ 2700 MHz
Peak Gain	1.5 dBi / Max @ low Band 2.0 dBi / Max @ High Band
Polarization	Linear
Impedance	50 Ohm
Picture	

Specifications are subject to change without prior notice.