

## On Board Unit with E-SIM and IRNSS

Model: OBU 7.1



### Main Features

1. Support 8 Channel (4 channels AHD + 4 channels IPC)
2. Support Embedded SIM card and IRNSS positioning module
3. Support H.265 compression
4. Support 1\*LAN (RJ45) port
5. Support built-in 6 Axis G-sensor
6. Support dual frequency WIFI , WIFI 802.11b/g/n/a/ac (options)
7. Support remote awake function of 3G/4G network
8. Support 1\*2.5" Hard disk and thickness up to 15mm
9. Support 2 channel video output, CVBS and VGA.

### Overview

OBU7.1 is function-extensive equipment specially designed for mobile surveillance and intelligent scheduling with **E-Sim and IRNSS** feature. It uses high-speed processor and embedded operating system, combined with H.265/H.264 video compression/decompression technology, 3G/4G, WIFI, network technology and GPS locating technology. It can realize AHD 1080P and 720P high definition, IP 1080P and 720P high definition, WD1, WHD1, WCIF, D1, HD1, CIF video recording and vehicle driving information recording, as well as wireless data upload. With center software it also achieves alarm linkage central monitoring, remote management and playback analysis. OBU7.1 is easy to use with modular design, multi-functions, superior anti-vibration, flexible installation and high reliability, etc.

## Technical Specification

Parameter		Specification
<b>Product Series</b>		OBU7.1
<b>Function Overview</b>		Preview, Recording, Network, Playback, Location tracking,
<b>System</b>	Operating System	Linux
	Memory	512MB
<b>Video</b>	Control Mode	IR remote control, control panel, network
	Input	4 channels AHD + 4 channels IPC 4*720P@25fps + 4*1080P@30fps
	Output	1 channel CVBS output, 1 channel VGA output
<b>Audio</b>	Input	8 channels (4 analog channels + 4 digital channels)
	Output	1 Analog channel
<b>Networks</b>	3G/4G	EVDO/WCDMA/TDD/FDD 3G/4G Modules: GSM/GPRS SMT quad band and UMTS (3G) Connected to antenna through RG174 cable SMA Connector
	WIFI	Dual frequency Wi-Fi, Wi-Fi 802.11b/g/n/a/ac (options)
	GPS	Support IRNSS
	Sensor	Built-in 6 Axis G-sensor
<b>Storage</b>	Hard Disk	1 x 2.5" SATA HDD/SSD up-to 2TB supported
<b>Interface</b>	USB	Front Type-A USB2.0, rear Type-B USB2.0
	SD	SD × 1 (64/128 GB)
	SIM	Built in E-SIM
	Alarms/sensors	8 inputs, 2 outputs
	Serial Port	RS232*2, RS485*2
	CAN	Supports CAN port*1
	LAN	1*100Mbps, supports ONVIF (Profile S / Profile G)
	Speed pulse	1 channel pulse speed detection
	Amplifier	Inside speaker/outside speaker, Max. supports 2*20W
	Intercommunication	Intercommunication inside/outside vehicle (Two- way Communication)
	Panel	Control panel BDC, 7" Touch screen with 800*480 Resolution
	Mic	External Megaphone
<b>Recording</b>	Video/Audio Compression	H.264/H.265/G.711

<b>Recording</b>	Image Resolution	PAL: 1080P(1920X1080) 720P(1280X720) WHD1(960X288), HD1(704x288) WCIF (480X288), CIF (352x288) NTSC: 1080P(1920X1080) 720P(1280X720) WHD1(960X240), HD1(704x240) WCIF (480X240), CIF (352x240)
	Image Quality	8 Levels adjustable
	Pre-recording	0-60minutes
	Post-recording	0-30minutes
<b>Power</b>	Input	DC8-36V
<b>Operating conditions</b>	Operating temperature	-25°C to +70°C
	Storage temperature	-40°C to +85°C
<b>Ingress Protection</b>		IP65

**\*Subject to change without Prior Notice**