

# VBOX-3610-V4

## Intel Core i7-5650U Hybrid Mobile DVR Surveillance with 4 Channel Camera On-Board Computer

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In-Vehicle Computing



-  Delay Time
-  Power Ignition
-  Wide Range
-  Wireless
-  Battery Backup

Taiwan Patent No. M447854  
Taiwan Patent No. M448011

### System

<b>CPU</b>	Intel Gen 5 Core i7-5650U 2.2GHz up to 3.1GHz Intel Gen 5 Core i3-5010U 2.1GHz
<b>Memory</b>	2 x DDR3L 1600 MHz SO-DIMM up to 16GB
<b>Watchdog</b>	1 ~ 255 Level Reset

### Mobile DVR Specification

<b>Video Input</b>	4 Channels (4 x BNC Connectors)	
<b>Video Recording</b>	Total 120FPS (NTSC), 100FPS (PAL) @ D1 Real-Time	
<b>Video Display</b>	Total 120FPS (NTSC), 100FPS (PAL) @ D1	
<b>Resolution Format</b>	NTSC	PAL
<b>(S/W MPEG4 or S/W H.264)</b>	720x480x30FPS	720x576x25FPS
	704x480x30FPS	704x576x25FPS
	640x480x30FPS	640x576x25FPS
	720x240x30FPS	720x288x25FPS
	704x240x30FPS	704x288x25FPS
	640x240x30FPS	640x288x25FPS
	360x240x30FPS	360x288x25FPS
	352x240x30FPS	352x288x25FPS
	320x240x30FPS	320x288x25FPS
<b>Audio Input</b>	1 Channel	
<b>Audio Format</b>	MONO / 8 ~ 16BITS / 8000 ~ 48000HZ	
<b>Software</b>	SDK for Windows XP, 7, Linux Ubuntu 14.04 above	

### I/O

<b>Serial Port</b>	3 x RS-232 (2 with RS-422/485 (Auto Direction Control))
<b>USB Port</b>	2 x USB 3.0 and 2 x USB 2.0 Ports
<b>LAN</b>	2 x RJ45 Ports for GbE
<b>Video Port</b>	1 x VGA, 1 x DVI-I* and 1x HDMI
<b>DIO Port</b>	4 In and 4 Out
<b>Audio</b>	1 x Line-out and 1 x Mic-in (Line-in Optional)
<b>SIM Card Socket</b>	2 x SIM Card Sockets Supported Onboard with eject

\* Use only with Single Link DVI Cables.

### Features

- Intel Core i7-5650U / Core i3-5010U
- Wireless Support LTE, 3.5G w/ Dual SIM Cards, WLAN, GPS DR & G-Sensor, GSM/GPRS, BT
- 9V - 36V DC Input Smarter Vehicle Power Ignition
- 4 Channel D1 Resolution@120fps for Analog Camera
- 2 IP Digital Cameras
- Dual Hot Swappable SATA Storage with RAID 0, 1
- 1 x CAN Bus 2.0B (Optional)

### Storage

<b>Type</b>	2 x 2.5" Drive Bay for SATA Type HDD/SSD, Support RAID 0, 1 1 x SATA DOM
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### Power Requirement

<b>Power Input</b>	9V - 36V DC Power Input
<b>Power Protection</b>	Automatics Recovery Short Circuit Protection
<b>Power Management</b>	Vehicle Power Ignition for Variety Vehicle
<b>Power Off Control</b>	Power off Delay Time Setting by BIOS and Software
<b>Battery (UPS)</b>	Internal Battery Kit for 10 Mins Operating (Optional) <b>Patent No. : M447854 - Build-in Battery</b>

### Environmental & Mechanical

<b>Operating Temp.</b>	-40 ~ 70°C (SSD), ambient w/ air
<b>Storage Temp.</b>	-40 ~ 80°C
<b>Relative Humidity</b>	10 ~ 95% (non-condensing)
<b>Vibration(random)</b>	2.5g@5~500 Hz with SSD
<b>Vibration Operating</b>	MIL-STD-810G, Method 514.5, Category 20, Ground Vehicle-Highway, EN61373
<b>Truck Storage</b>	MIL-STD-810G, Method 514.5, Category 24, Integrity Test
<b>Shock</b>	Operating: MIL-STD-810G, Method 516.5, Procedure I, Trucks and semi-trailers=15G (11ms) with SSD
<b>Crash Hazard</b>	MIL-STD-810G, Method 516.5, Procedure V, Ground equipment=100g
<b>Construction</b>	Aluminum Alloy
<b>Weight</b>	1780 g (Barebone)
<b>Dimensions</b>	250 x 150 x 55 mm
<b>Certifications</b>	CE, FCC Class A, EMark Compliance, EN50155, EN50121

### Ordering Information

<b>Part Number</b>	VBOX-3610-V4-000
<b>Description</b>	Intel Core i7-5650U Hybrid Mobile DVR Surveillance with 4 Channel Camera On-Board Computer