

VBOX-3610-V4

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



Delay Time



Power Ignition



Wide Range



Wireless



Battery Backup

Taiwan Patent No. M447854
Taiwan Patent No. M448011

System

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

Mobile DVR Specification

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

I/O

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

Features

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

Storage

Type	2 x 2.5" Drive Bay for SATA Type HDD/SSD, Support RAID 0, 1 1 x SATA DOM
-------------	---

Power Requirement

Power Input	9V - 36V DC Power Input
Power Protection	Automatics Recovery Short Circuit Protection
Power Management	Vehicle Power Ignition for Variety Vehicle
Power Off Control	Power off Delay Time Setting by BIOS and Software
Battery (UPS)	Internal Battery Kit for 10 Mins Operating (Optional)

Patent No. : M447854 - Build-in Battery

Environmental & Mechanical

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

Ordering Information

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