

 CONVOY TECHNOLOGIES	DATA SHEET
	TrailerCam—WIRELESS VIDEO MONITORING SYSTEM FOR TRACTOR TRAILERS

TrailerCam – WIRELESS VIDEO MONITORING SYSTEM FOR TRACTOR TRAILERS

1. Removable Wireless Battery Operated Camera and Transmitter:



2.4GHz RF Technology

Transmitting Distance: min. 90' barrier free

Sensor: 1/3" Sony HAD color camera

Resolution (pixel): 967x494

Lens: f=2.8mm

Lens angle: 90° Horizontal; 65° Vertical

Mini-Illumination: 0Lux (LED ON)

IR LED: 12 pcs

IR switch: available

Night Vision Distance: 36ft.

Video format: NTSC

Audio: available

Voltage: 12V

Battery: 3s2p 18650 Lithium Ion rechargeable

Operating temperature: 0 to 65C

Timer: 15 minutes time off, can be re-started by pressing the power button

LED Red: Low battery indicator (Need to charge the battery)

LED Green: Battery charged

Pairing indicator (flashes when paired, constant green light when successfully paired)

DC Port for charger

Magnets on the back and bottom of Magcam for removable mounting

Waterproof: IP65

Enclosure material: Aluminum Alloy

Dustproof, waterproof, protection against hydrochloric acid



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Data Sheet TrailerCam

Dimensions: 97(W)x82(H)x140(L)mm

TrailerCam is a wireless backup camera system designed for temporary use during difficult tractor/trailer maneuvers; it is not a permanent system for driving on the road unless fitted with specific power management electronics and Convoy Technologies docking station.

2. Monitor/Receiver

2.4GHz Technology

7" Monitor with Digital Panel

Resolution: 800*R.G.B*480

Power voltage: DC 12V-24V

Pairing indicator (flashes when paired, constant green light when successfully paired)

LED Red flashing LED: Warning for lost connection between Magcam camera and receiver; Green LED when paired.

Operating frequency: 2400-2483.5 MHz

Decompression form: MPEG 4

Emitting frequency: 18 dBm

Transmitting speed: 12 Mbps

Receiving Sensitivity: -78dBm@1MHZ 16QAM VR850/AV

Spread spectrum: frequency hopping

Hopping rate: 1200/S

Outer dimension: 182(L) X 75(W) X 124(H) mm

Brightness: 400cd/m².

Viewing angle: U: 50°/ D: 60°, R/L: 70°

Operating temperature: 0°C~+65°C

Storage temperature: -30°C to + 80°C RH90%