

TH4C

4-Channel HD Hybrid Solid-state DVR

High-definition Solid State Recording

This high-definition (HD) digital video recorder (DVR) records up to four high-definition camera views, while offering the flexibility to support existing standard resolution (analog) cameras. The TH4C supports up to four cameras in total – any combination of your choice of HD or Standard resolution. HYBRID technology allows you to upgrade to HD at your own pace while preserving your initial camera investment. Solid-state recording media offers both portability and reliability at an affordable price.



Ideal for: School Bus, Para-transit, Shuttle, Commercial Vehicle, Fire & Emergency Vehicle

Full High-definition Surveillance

Record up to four high-definition camera views with audio at up to 30 FPS on all channels simultaneously.

Hybrid Technology: Your Choice – Analog or HD

Support your existing cameras while upgrading to HD with your choice of recording resolution from D1 to 720p.

Rugged Solid State Recording

TH4C records on solid-state SD cards with no moving parts, offering reliable recording and portability at an affordable price.

Scaleable Design for Future Growth

Increase your camera count to 13 by integrating with the TH8 DVR.

Compatible with any Seon analog and new high-definition dome and wedge Cameras:



HD1Q Interior Dome



HD1W Outdoor Wedge

Accessories:



Event/Diagnostic Button



GPS

Optional Add-ons:



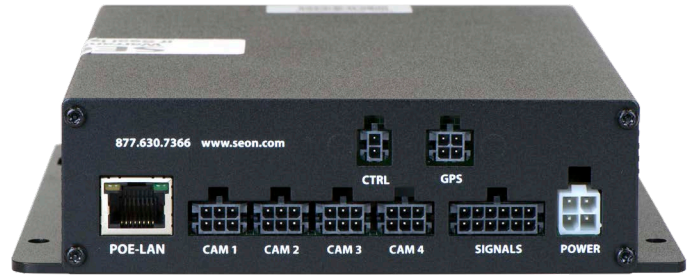
Live GPS Tracking



Live Video Streaming

TH4C

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Video	
Recording Channels	4 channels (HD or Std Res), 4 audio channels
Video Resolution	Total of 4 CH, configurable per CH: 1280x720 (720p) up to 4 CH main stream 720x480 (D1) up to 4 CH main stream CIF all CH for second stream recording
Recording Rate Main Stream	30 FPS on all video channels (120 FPS aggregate)
Recording Rate Second Stream	1 - 5 FPS independent of the main stream
Quality Settings	Adjustable, 4 levels
Auto Overwrite	Selectable On/Off
Display Modes	Single camera, four-up on the DVR video out Single camera, four-up on the vMax Web
Playback Rate	Frame advance, FFD and REV playback up to 32x
Search Function	Segment, alarm, date/time, event
User Interface	OSD with mouse, vMax Web (web browser), vMax® View software suite
Delay On/Off	Record Delay on ≤1 hr Record Delay off ≤1 hr Power Delay off ≤4 hr
On-Screen Display	Main title, time & date, record status
Dual Streaming	Capable of sending low-bandwidth video images live over an optional broadband (cellular) network
Storage	
Capacity	Up to 512 GB (Solid-state SD Card)
Input/Output	
Network Interface	1 Ethernet port
Wiring Harness	20' (6 m) harness for power
Panic Alarm Input	20' (6 m) harness with panic button

Smart Features	
Smart-Temp™	Ensures the DVR stays at its optimal operational temperature
Smart-Start™	Safeguards the DVR against electrical spikes with vehicle start-up voltage protection
Inertia Sensor	3 axis internal G-sensor
Electrical	
Voltage Range	8 to 32 VDC
Transient Protection	600 W for power input, 400 W per signal input
Configuration Backup	Time & programmed info (retained up to 10 years)
Mechanical/General	
Dimensions (H x W x D)	1.6 x 6.2 x 6.9 in (41 x 157 x 174 mm)
DVR Weight	1.4 lbs (643 grams)
Environmental	
Operating Temperature	-30 to 50°C (-22 to 122°F); fanless design
Approvals	
Emissions	FCC Part 15, Class B
Vibration	Vibration Tested against SAE-1455 and MIL-STD 810F
Specifications – Plus System	
Signals	5 external signal inputs + 5 internal signals
Alarms	4 internal alarms to connect to signals or internal triggers, + 1 external alarm
Event/Diagnostic Button	An indicator panel that marks events for quick searches and displays DVR status
GPS Ready	Records vehicle speed and location with optional GPS receiver; enables synchronized mapping when used with vMax® software
Geo-fencing	Uses GPS technology to set a geographical boundary for a vehicle; receive an alert if it deviates

1023-TH4C-Spec-Sheet-SS-ST-112619

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