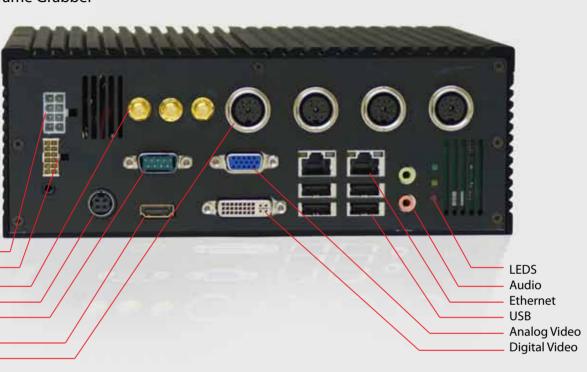# VP-400   Rugged Mobile Processor

VP-400 Mobile Processor
8 Channel TGX-8 Frame Grabber

Intel Core i7 620M (2.66GHz)
4GB RAM
120 GB Rugged HDD
Digital Video
Analogue Video
VGA, DVI and HDMI
2 x RJ45 10/100/1000 LAN
4 x USB 2.0 High Speed Ports
1 x RS-232 Port on Front Panel
4 dual camera support
4 x RS-232 Ports - Back Panel
  (one with RS-422/485 support)
Digital I/O 1 x In / 2 x Out GPIO
Stereo Audio In / Out
Power and aux power
Multimode GPS 1575MHz
WAN 3.5G (HSPA/HSDPA)
Dual Band WiFi 802.11 a/g/n
TGX-8 (8 channel 50fps
  video acquisition)

Power
Digital I/O
WiFi / 3G / GPS
Power
Serial Port
(Up to 4 serial ports available)
HDMI
Camera Connectors

LEDS
Audio
Ethernet
USB
Analog Video
Digital Video

Utilizing an Intel Core i7 processor, the VP accepts inputs from up to four (4) "dual" LPR cameras. The VP processor receives images from the cameras and can use a recognition engine to locate plates and interpret these into useful data. User interface software can check this data against any number of hotlists using back office software.

The VP processor supports up to eight (8) separate video inputs (4 dual-lens cameras). The VP processor has a local storage capacity of up to 2 million time-stamped images with all relevant metadata, including GPS coordinates, the interpreted plate read, a unique transaction identifier, and more. Hotlists may be securely stored and managed by direct connection to any web-based service.

The VP-400 is a rugged processor engineered to withstand the extreme environments and demanding condi- tions found in vehicles.

Features

» 120GB ruggedized hard drive (upgradeable to 240GB)

» Compact size

» Ruggedized to withstand shock and vibration

» Wide temperature specification for all climates

» Intelligent power management

» Optional wireless communications

Outdoor	✓
Indoor	✓
Vehicle	✓

Specifications	VP-400
OS	Windows Operating System
Dimensions / Weight	4.2" x 9.76" x 7.52" (107mm x 248mm x 191mm) with vibration absorbing mount / 9lbs (4kg)
Camera Inputs	Support for 8 video channels or 4 "dual" LPR cameras
Power Management	Built-In Power Management Unit with Intelligent Power Management
Temperature	Operating -10C to +60C, 90% RH non-condensing Storage -40C to +85C, 90% RH non-condensing
Power Input	8V - 16V DC, 10A typical at full load