MANGO
INTELLIGENT VIDEO SOLUTIONS
+ Mate Analytics

Chassis Version

Camera Version

PC104+ Version

Key Features

- *Unified IP Encoder / Decoder*
- *Advanced Local Storage Recorder*
- *PoE w/Camera Power Output*
- *Low End-to-End Latency*
- *Dual and Triple Encoding*
- *High Quality up to D1 @ 30 fps*
- *H.264 / Mpeg-4 / Mpeg-2 / Mjpeg*
- *Video Output*
- *Built-in Video Content Analytics UI*
- *G.711 Audio I/O*
- *PTZ Control I/F*
- *Alarm I/O via TTL and Relay*
- *OEM / ODM / Camera Ready*
- *Three Form Factors Available*

Single Channel Camera Ready Intelligent Video Server

"For all your embedded encoding solutions."

The Pegasus-T is a powerful, camera ready, compact and innovative, intelligent video server featuring Mango's award winning IVS software platform with its advanced video encoding capabilities and integrated Video Content Analytics User-Interface.

The Pegasus-T is especially designed to allow a distributed intelligent video architecture, transforming each analog or IP camera into a pro-active video surveillance solution enhanced by PTZ control and alarm I/O management, while recording 24h/7d compressed Audio/Video synced streams into MKV files.

The Pegasus-T is powered by the Mango IVS (Integrated Video Server) Software. The Mango IVS framework enables the seamless integration of third party video analytics software, such as: Face Recognition, License Plate Recognition (LPR), and various first-class VCA algorithms, creating a truly intelligent edge device. With its advanced features, the Mango IVS allows full command and control of video parameters such as resolution, bit rate, frame rate, and the video analytics embedded into the server including video overlays on the video output. The Mango IVS software supports concurrent multiple stream types, enables onboard video content management creating a unique standalone solution that can configure and process analytic rules, records continuously A/V streams, and notifies the client by posting the events through an XML protocol.

The embedded third party video content analytics with the Mango software and hardware framework creates a powerful video surveillance solution that reacts to predefined threats and triggers alerts accordingly.

TECHNICAL SPECIFICATIONS

VIDEO

Video In / Out	Single Composite BNC (1Vpp 75 Ohm NTSC/PAL)
Resolutions	D1, 4CIF, CIF, QCIF at 1 - 30 fps (programmable for all resolutions)
Compression	H.264, MPEG-4, MPEG-2, MJPEG
Bit Rates	Configurable 32Kbps to 20Mbps
Streaming	2 Auto-starting Multicast Streams

Model Number	Pegasus-T Description
PEG-T-ENC REV-A1	Industrial 1-Channel Encoder/Decoder
PEG-T-CAM REV-A1	Camera version (no chassis) 1-Channel Encoder/Decoder
PEG-T-104 REV A1	PC104+ (Blade) version 1-Channel Encoder/Decoder

AUDIO

Audio In / Out	Single Mono 3.5mm Audio Jack
Compression	G.711

NETWORK

Interface	10/100 Fast Ethernet, RJ-45
Protocols	RTP, RTSP, HTTP, UDP, TCP/IP, IGMP, ARP, SNMP

ALARMS

Input	Two TTL
Output	Two Solid State Relays * + Single DPDT Relay

SERIAL PORTS

Interface	RS232, RS422/485
PTZ Support	AD-RS422, BBV-Star, CyberScan1, Phillips-TC7560, Pelco-D, Pelco-P, RS-422-Dome,Vicon

SYSTEM

Processor / OS	TI DM6446 @ 594MHz or 810MHz / Linux 2.6
Memory	32MB Flash, 256MB DDR II
On Board Storage	Up to 32GB Micro SD Card, Optional
LEDs	Three Status LEDs (Power, Video, Analytics Engine)
Power Input	+12V DC @ 1 Amp or Power over Ethernet (PoE)
Power Output	+12V DC @ 0.1 Amp and +5V DC @ 0.5 Amp

ENVIRONMENTAL

Operating Temp.	Commercial: 0^oC - 50^oC (-32^oF to 122^oF) Industrial: -40^oC to 75^oC (-40^oF to 167^oF)
Storage Temp.	-40^oC to 85^oC (-40^oF to 185^oF)
Relative Humidity	5% to 90% Non Condensing
Certifications	FCC Part 15 Class A, CE EMC Class A, CE Safety Class A, RoHS

WARRANTY

One year limited warranty

WEIGHT

250 gr (including chassis), 8.78 oz

DIMENSIONS

L: 3.48 inches [88.5mm] W: 2.6 inches [66.2mm] H: 1.67 inches [42.6mm]