

# DSP VISION BOX<sup>®</sup>

That's Your  
High Speed  
Embedded Vision System.



Strampe Systemelektronik GmbH & Co. KG  
In der Grobach 22; D-61197 Florstadt  
Tel. +49(0)6041-968672, FAX +49(0)06041-968674  
eMail: sales@strampe.de  
[www.MachineVisionComputer.com](http://www.MachineVisionComputer.com)







# DSP VISION BOX<sup>®</sup>







## Specifications

Type	Vision Box MPS
Processor	Texas Instruments TMS320C6414
Calculation Power	4800 MIPS
Processor Clock	600 MHz
SDRAM	512 MB @ 133 MHz
Flash	8 MB
Compact Flash	CF 32 MB
Camera Input Version 1	2x IEEE 1394 DCAM
Camera Input Version 2	Camera Link Base, Medium
Ethernet	10-/100 MBit/s Ethernet
Video Output	DVI
Serial Interface	2x V.24
Digital I/O	8 Input / 8 Output; optocoupled
MMI	Keyboard
Power Requirements	12VDC
Housing Size	243mm x 200mm x 52mm
Weight	~1800g

It's Your fast Vision System:

-  Highest Texas Instruments DSP Calculation Power
-  Optimized Architecture for Machine Vision Applications
-  Combine digital Camera Inputs with fieldbus interfaces and DVI graphic outputs in UXGA resolution
-  Implement your algorithms in „C“
-  Compact, ready to run
-  Incl. C-API and example program

Flexibility for Your Vision System:

-  Several Digital Camera Interfaces
-  Latest Grafical Technologie: DVI
-  Option GBit-Ethernet
-  Multiprocessing Capability

Choose one or two Fieldbusses:

-  Combine Fieldbusses
-  Add Ethernet IP or Ethernet ID

OEM Options *)	
Port 1,2,3: Choose max. three of these interfaces:	
Camera Link	2x Camera Link Input Base 1x Camera Link Input Medium 1x Camera Link Input Base + 1x Camera Link Output Base
IEEE 1394	2x IEEE 1394 DCAM
Ethernet	Gbit/s Ethernet
LVDS	19x LVDS Digital Input
DVI	DVI Video Output 1.280x1.024 or 1.600x1.200 Dual DVI Video Output 2.560x1024 or 3.200x1.200
Multiprocessing	Ask to combine N Vision Boxes for multiprocessing applications.

OEM Options *)	
Port 4&5: Choose max. two of these interfaces:	
Ethernet	10-/100 MBit/s Ethernet
Fieldbus	Profibus Master
Fieldbus	Profibus Slave
Fieldbus	Ethernet IP
Fieldbus	Ethernet IDA
Fieldbus	Control Net
Fieldbus	Interbus-S
Fieldbus	Modbus Plus
Fieldbus	CAN open
Fieldbus	CC-Link